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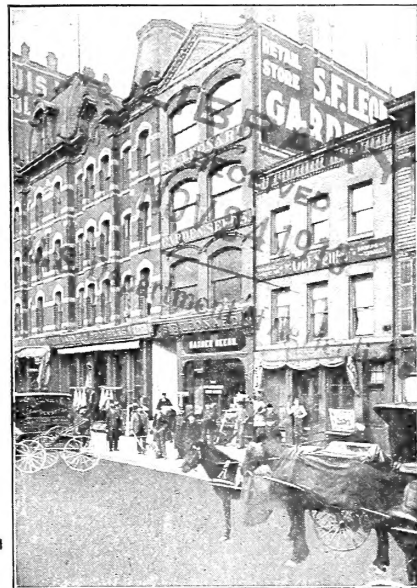


*Lnr* ...1902...

Descriptive Catalogue

# LEONARD'S SEEDS

RETAIL  
STORE  
143 W.  
RANDOLPH  
STREET.



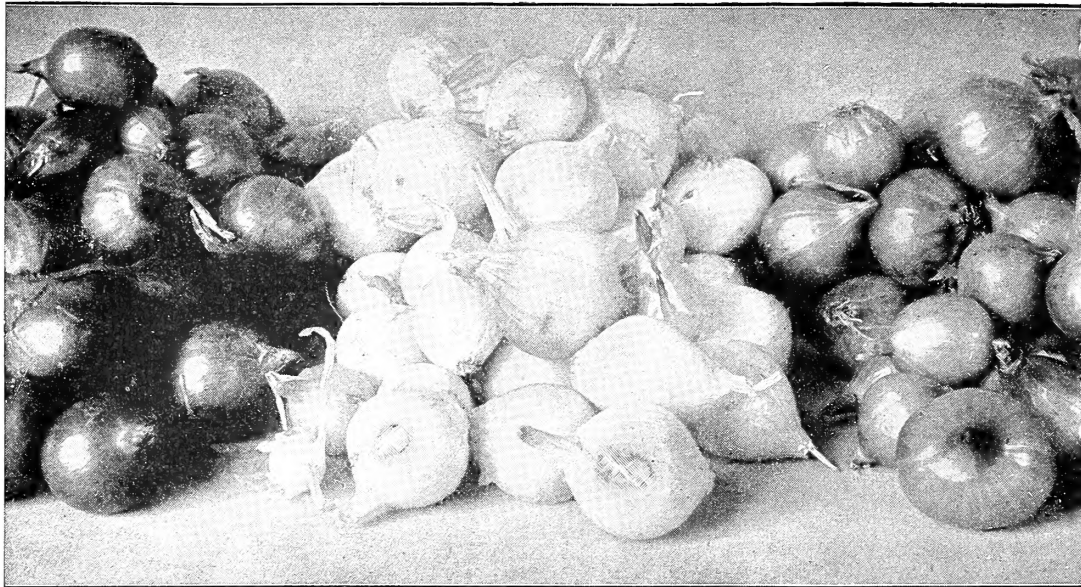
## Leonard

## Seed Co.

### CHICAGO.

WAREHOUSE  
AND OFFICE,  
71-73 W.  
MONROE  
STREET.

# LEONARD'S ONION SETS.



RED BOTTOM SETS.

WHITE BOTTOM SETS.

YELLOW BOTTOM SETS.

Market gardeners and other large buyers of onion sets should write for prices, as the value changes with the market, and bushel quotations here would be unsatisfactory.

All prices of onion sets given below are for the goods prepaid to your address by mail or express.

## ONION SETS.

**Bottom Onions or Onion Sets** are produced by sowing the seed thickly late in the spring, in beds or drills, and about the end of August or whenever the tops die down, the little bulbs or sets are gathered and kept spread thinly in a dry, airy loft, and reset in the spring to make large onions.

**Yellow Bottom Sets.** Qt., by mail, 30c.; 4 qts., \$1.00; post-paid.

**Red Bottom Sets.** Qt., by mail, 30c.; 4 qts., \$1.00; post-paid.

**White Bottom Sets.** Qt., by mail, 30c.; 4 qts., \$1.00; post-paid.

**Top or Button Onions** are the little round bulbs growing on top of the stalk, and are planted early in the spring in shallow, 12-inch drills, about 4 inches apart, slightly covered, and will produce large onions, maturing much earlier than from the seed. If the large onions are planted again in the spring they will produce a number of small bulbs, growing on the top of the stalk, which serve as a substitute for seed in propagation. Weight, 28 pounds per bushel. Qt., by mail, 35c.; 4 qts., \$1.25; post-paid.

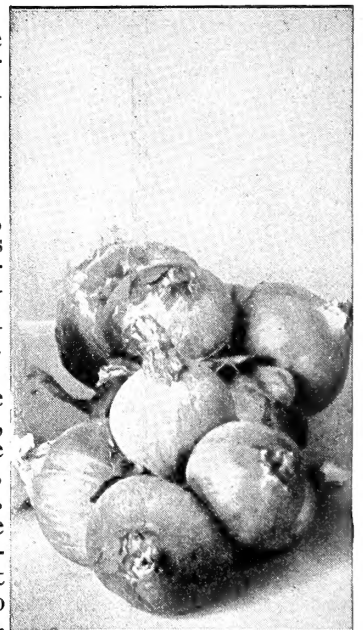
**Potato Onion.** Valuable for an early crop. The small bulbs increase in size and the parent bulb produces a quantity of small bulbs in a cluster. Of mild, sweet flavor and highly esteemed by many. The large bulbs produce the small, and the small the large alternately. Qt., by mail, 40c.; 4 qts., \$1.25.

### White Multiplier.

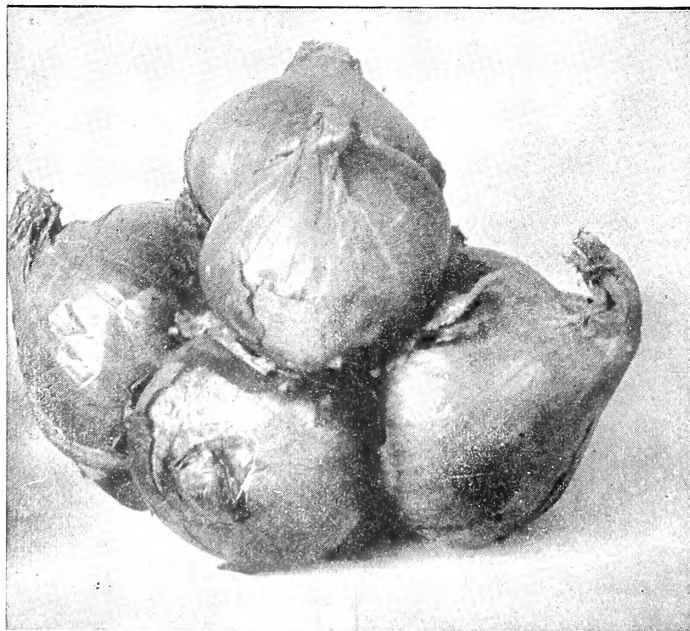
Owing to the white color this is considered an improvement on the yellow potato onion, which it resembles in habit of growth. It is a very desirable onion for early market purposes. It makes a clean, pearly white bulb, which may be bunched for market in the green state, or it may be allowed to dry and can then be used for pickles. Qt., 40c.; 4 qts., \$1.50.

**Winter Tops or Perennial Tree Onion.** In this we have an entirely new variety of onion. It differs from those raised from seed or sets, from the top onion, potato onion or shallot, in the fact that when once set out without the slightest winter protection it will come up year after year as soon as frosts break ground and grow so rapidly that it is ready for market or home use 2 or 3 weeks before any of them. The bottoms divide, making several onions. Qt., 25c.; 4 qts., \$1.00.

**Shallots.** A small sized onion which grows in clumps and is used in its green state for soups, stews, etc. It is largely grown in the south. Qt., 35c.; 4 qts., \$1.25.



TOP OR BUTTON ONION.



POTATO ONION.



**O**UR reputation has been built up by furnishing seeds of the best quality as to purity and germination, and we shall always endeavor to furnish **THE BEST SEEDS** that can be procured, and make prices as reasonable as possible.



**W**E ARE in a position to furnish good seeds at as low figures as any reliable house. We can and will meet all prices made by any one offering goods of equal value with ours, but we have no ambition to compete with those offering inferior stocks.

It is doubtful if any other seedsmen have better or as good opportunities as we of gaining practical knowledge of the importance of good seeds to the planter. The varied requirements of the market gardeners of so great a city as Chicago offer a field unsurpassed for this purpose. That we have taken advantage of it is shown by the confidence placed in the seeds we sell by the planters who should best know whether we meet the requirements or not, namely, the many market gardeners of Chicago.

We are first hands. We are large producers of seeds. The extent of our seed growing operations places us in the front rank. Our central location gives us an advantage as growers that few possess. Chicago is now classed the center of the seed industry of America. It is to the interest of all seed buyers to purchase from headquarters. This saves time, gives assurance of the best service and the closest price. **WE ARE HEADQUARTERS.**

**Ours is the Largest Garden Seed Warehouse in Chicago.**

## *Instructions to Purchasers.*

**TERMS OF SALE.** Cash must be sent with the order. This can be done either in the form of a Money Order, Bank Draft, Express Order, Registered Letter, or cash may be sent by express. Postage stamps received same as cash. Remittances in any other way are entirely at sender's risk.

**WHEN TO ORDER.** We are prepared to fill your orders as soon as this catalogue reaches you, so please order early.

**ABOUT FORWARDING.** Every order is executed at once upon its receipt, or a reason given why it has not been sent, so that parties ordering may know that if goods are not received in proper time, it is almost certain that the letter has not been received by us.

**SEEDS ARE GUARANTEED** to arrive safe and in good condition, due care having been given to observe faithfully the previous and following suggestions, in all cases where the order is accompanied by the necessary remittances.

**WE PAY POSTAGE AND EXPRESSAGE,** except where noted otherwise, on all seeds ordered by the packet, ounce or pound, pint and quart, but positively not by the peck or bushel.

**NAME AND ADDRESS** should be written as plainly as possible, and care exercised to have place of residence, county and state in full, giving all shipping directions. This is imperative and of vital importance, as we frequently receive orders and letters desiring information, etc., without any signature, or wanting in some other particulars, to which, of course, we are unable to respond. Thus, what may sometimes appear to be negligence or error on our part is very often due wholly to lack of care on the part of our customers.

## **ERRATA.**

On page 40, **PRICES OF GRADUS PEAS** should read: 1-2 pt., 25c.; pt., 45c.; qt., 65c.; post-paid.

On page 41, **PRICES OF THOMAS LAXTON PEAS** are left out. They should be: Pkt., 10c.; pt., 50c.; qt., 90c.; post-paid.

ESTABLISHED  
1884.

# **LEONARD SEED CO.**

INCORPORATED  
1901.

SUCCESSORS TO S. F. LEONARD.

Office and Wholesale Warehouse:  
71 & 73 WEST MONROE STREET.

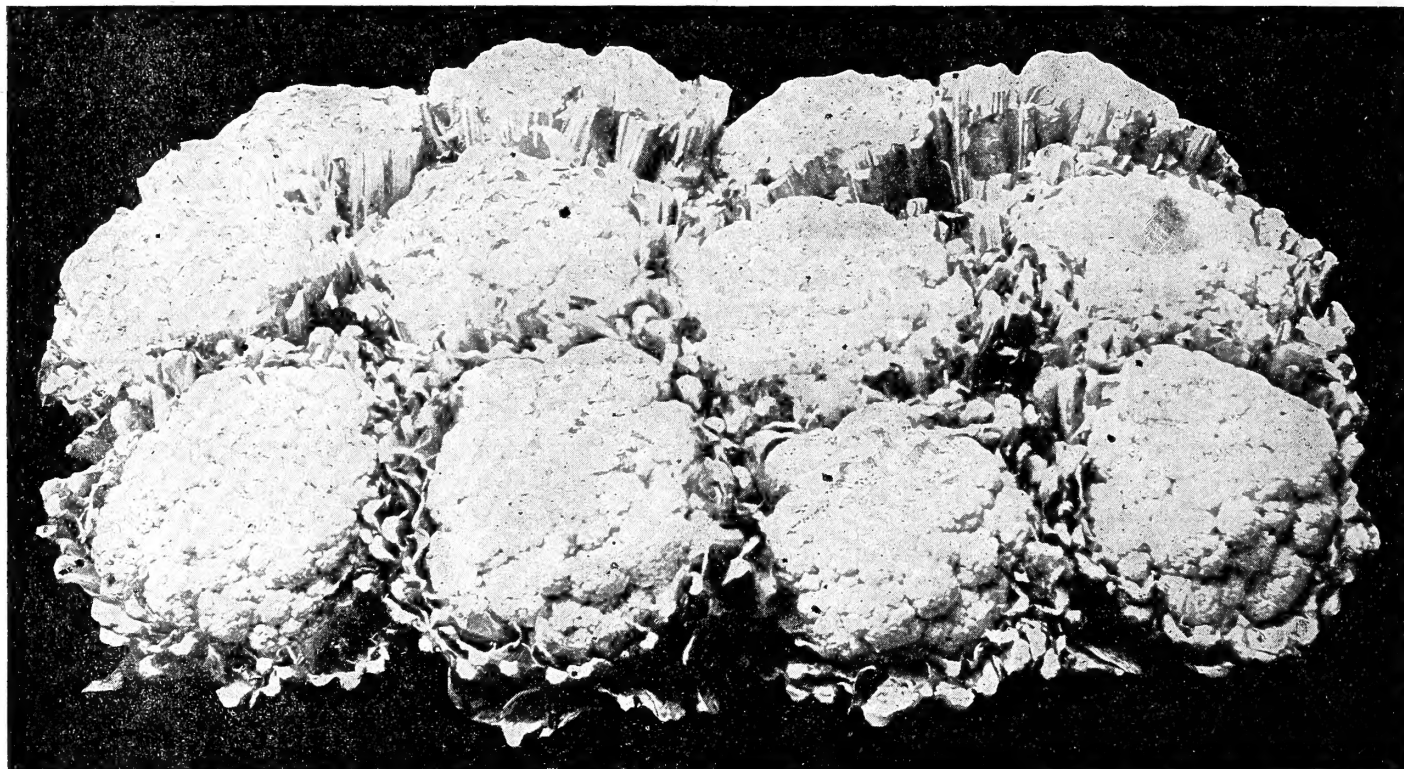
## **CHICAGO.**

Retail Store:  
143 WEST RANDOLPH STREET.

## Leonard's Snowball Cauliflower.

After years of experimenting and comparing, we have secured what we consider the best strain of **Snowball cauliflower**. The photograph below shows one dozen heads grown from our seed by Baker Bros. The weight of the twelve heads, trimmed for market, was eighty pounds. Cauliflower heads as good as these often bring \$3.50 per dozen on the Chicago market. And the dozen shown in the picture represents a fair average of the whole crop grown by the Bakers.

We have sold this cauliflower seed to the large cauliflower growers for six seasons, and it has been compared with all the other strains each season, and it has invariably shown that it possesses points of superiority over any other stock. It matters not what may be claimed for other strains of early snowball cauliflower, results speak louder than words, and when men who have been successful cauliflower growers for more than a quarter of a century give unsolicited praise to a variety, and take the trouble to have a photograph made of a box of the heads and present it to the man who sells them the seed, it proves that the seed in question has given results. We would call the attention of market gardeners everywhere to this splendid strain of Snowball cauliflower, and if they have been unsuccessful before, would urge them to try again, using Leonard's Early Snowball, and make a success of cauliflower growing.



LEONARD'S EARLY SNOWBALL CAULIFLOWER.

**LEONARD'S  
SNOWBALL  
IS THE . . .**

**Best for Early  
Best for Late  
Best for Forcing**

**AND IS THE SUREST  
HEADER OF ALL**

**T**HE trade we have for cauliflower seed is large. Our customers consist of market gardeners and large growers. Every effort is made to secure the best there is in cauliflower as well as in all other seeds, and a strain of cauliflower offered by us is not done without a definite knowledge of its merit.

"Leonard's seeds are always the best. Your Snowball cauliflower is ahead of any strain of that important variety that I have secured in my twenty-eight years' experience in gardening."

GEO. FERGUSON.

"I had the largest and finest cauliflower on the market last year. I raised it from your strain of Early Snowball. It is the best Snowball seed I ever planted."

G. BRAMBERGER.

"I am fully satisfied with your cauliflower seed."

FRED HINE.

"Your Snowball cauliflower is all right, and I think there will be a larger demand than ever for it next spring."

MARTIN HOCKSTRA.

"Your Snowball cauliflower seed gives more plants and more fine heads to the ounce than any other. It is the best Snowball cauliflower."—Chicago Gardeners.

If there are better cauliflower growers in other places than we have about Chicago we are not aware of it. If there is a better strain of Snowball cauliflower than this one our cauliflower growers have failed to bring out the superior points of such a strain in any of their comparative tests.

**PRICES: PKT., 15c.; 1-4 OZ., 75c.; 1-2 OZ., \$1.25;  
OZ., \$2.25; LB., \$32.00.**

**For Other Varieties of Cauliflower,  
see page 20.**

**W**E wish to make it very plain to all cauliflower growers that this Leonard's Snowball cauliflower comes directly from the place where the perfect type of Snowball is grown.

Six years ago a representative of Leonard's seed house visited the growers of cauliflower seed and found several of them who had excellent strains of this popular variety. Samples were secured and tests made, and the best strain arranged for. This is why we have it, and it will only need a trial to prove that our strain of this cauliflower is the best offered.



# THE HOLLAND CABBAGE

**LEONARD'S  
STRAIN.**

**THE HARDEST HEADER.**

**THE LONGEST  
KEEPER.**

**THE HEAVIEST  
CABBAGE**

**For the Size of  
Head ever  
Introduced.**

**Our Stock is  
the Purest to  
be Had.**

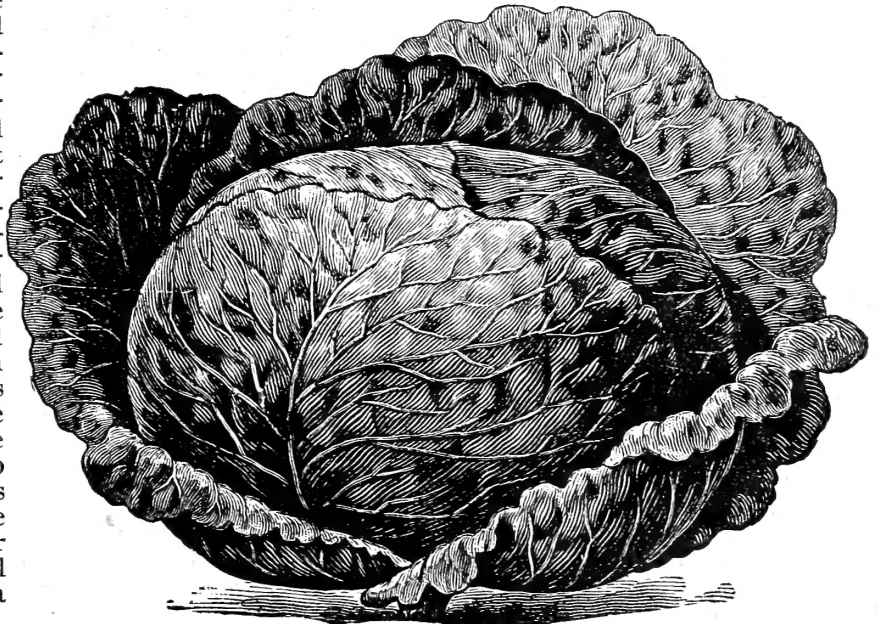


PHOTO OF A GROUP OF HOLLAND CABBAGES.

The Holland Cabbage, also called "Dutch Winter or Hollander" is more popular for winter and early spring marketing than any other. It is justly considered superior to any of the other late sorts in many particulars. It is a compact grower, having few outer leaves, and can be planted close, which enables the grower to get from his patch the maximum number of heads at the minimum cost for rent and labor. It has the heaviest head for its size of any cabbage, early or late. Its heads are uniform, of the handsomest appearance and of proper size for all purposes. Whether sold by the ton, hundred or dozen, the grower can count on more money for his work than would be realized on any other late cabbage, because the waste to the Holland is small, and the buyer seldom has the chance to throw back a Holland with the complaint that it is soft, or to ask for two heads in place of one on account of unequal size. The Holland has a robust constitution, keeps long and well, not inclined to rot when stored, nor to burst when in the field. It is without doubt a safe variety for all to try who desire a good late cabbage, either to market or to ship. Pkt., 5c.; oz., 30c.;  $\frac{1}{4}$  lb., \$1; lb., \$3; 5 lbs., \$12.50; 10 lbs., \$22.50.

## LEONARD'S FAULTLESS CABBAGE.

The most popular all around cabbage in the list. Since 1892 it has had the call on the Chicago market, and kraut growers in all sections of the country consider it the best variety for that purpose ever introduced. Its earliness, large size and superior quality make it the best market sort for profit. It can be grown either for summer or fall use. The Chicago gardeners find it earlier than the Early Summer, larger than that variety and finer grained. It may be planted close, and will produce more solid, salable heads to the acre than any known variety. The seed we have of the Faultless is selected with the greatest care, and so popular is this strain that we book orders far in advance of the planting season, in order, as the gardeners say, "that we may be sure to get seed of it." We recommend this cabbage to any gardener or cabbage grower as being the best second early or all-purpose variety, and no mistake will be made by any one who will give it a trial. Pkt., 5c.; oz., 25c.;  $\frac{1}{4}$  lb., 90c.; lb., \$3; 5 lbs., \$12.50; 10 lbs., \$22.50.



LEONARD'S FAULTLESS.

## ONION SPECIALTIES.

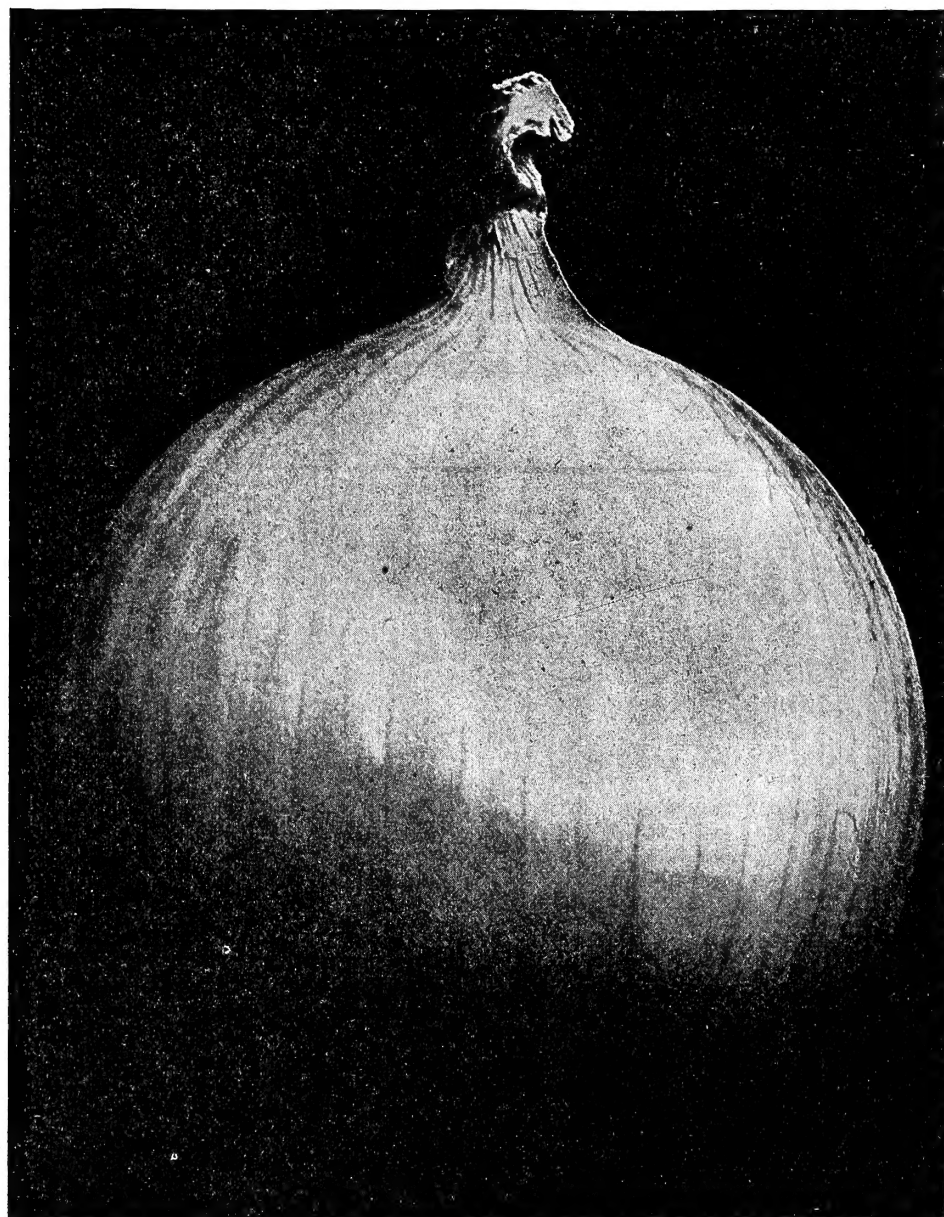
### Leonard's Yellow Globe Onion.

This onion is our prize yellow market variety. It is the most uniform as to size, the most productive, the best keeping and the handsomest yellow skinned Globe variety we have ever known. It has taken years of patient effort to bring it to its present perfection, and to keep up the standard of excellence requires extreme care in the selection of bulbs to set out for seeding when the time for that event occurs each year.

It may be safely said that the bulbs we now have on hand of this variety of onion are undoubtedly as handsome and uniform a lot of Yellow Globes for the quantity as can be found stored anywhere.

Many large onion growers from different sections of our country have seen them, and the expressions of praise for the beauty, uniform size and soundness of our onions are testimonials of the highest value. We would call especial attention to a remark of one large Ohio grower. It referred to the highly desirable color which our onions have. He said: "The color of these yellows would be a fortune to me this year if my crop had it." This Yellow Globe onion has the call on the Chicago market, and wherever known it never fails to show up its superiority over other stocks.

**Finest shape, best color and yields largest crop of any yellow onion. Pkt., 5c.; 1-2 oz., 10c.; oz., 5 lbs., \$7.50; 10 lbs., \$14.50; 25 lbs., \$35.00.**



LEONARD'S YELLOW GLOBE ONION.

"Leonard's Yellow Globe brings 25c. per sack more than any other onion on the market"—Chicago Gardeners.

The following extract from *Government Bulletin* No. 39 puts the question of the importance of good onion seed very pointedly:

"It is impossible to secure satisfactory results without seed of superior quality. Growers sometimes make the mistake of purchasing seed of uncertain vitality, because it is cheap. The cost of seed is a small item compared with the other expenditures necessary for a profitable crop, and an attempt to reduce the cost of production by purchasing inferior seed is always injudicious." Varieties should be selected which contain the greatest number of desirable characteristics or command the highest prices in the market for which the crop is to be grown.

### LEONARD'S THREE GLOBES

Bring more money to the Chicago growers and sell quicker than any other varieties.

Our Yellow Globe is the **Standard Yellow**, our Red Globe is the **Standard Red** and our White Globe is the **Standard White**.

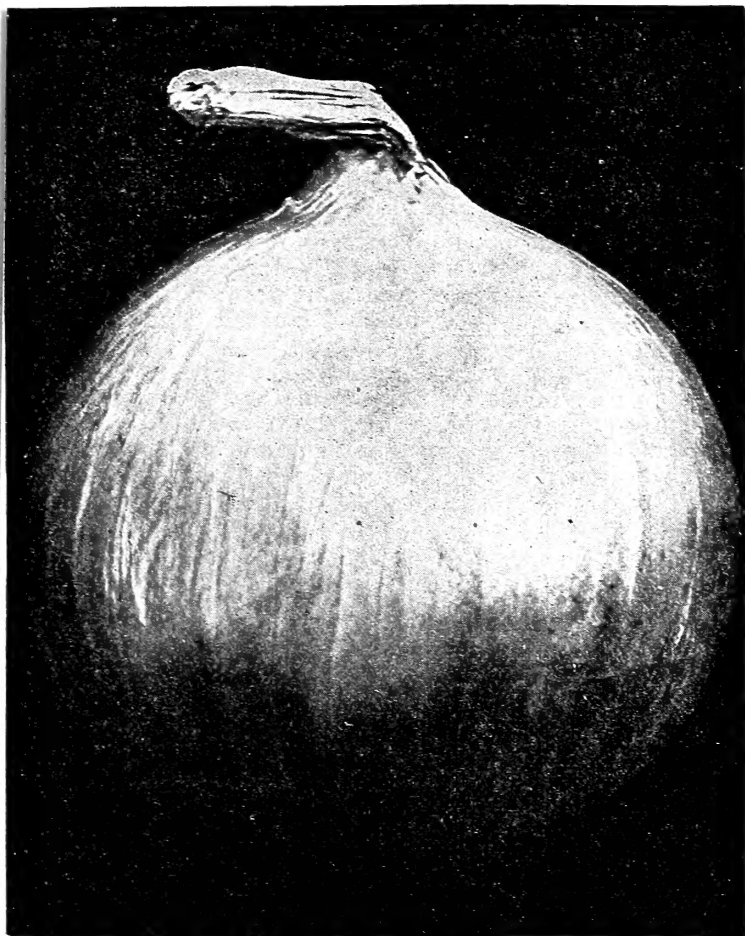
Hundreds of carloads of onions are shipped annually from Chicago to all points, and the commission shippers of Chicago draw onion supplies from all points. Onion growers who depend on the Chicago dealers to dispose of their supply should get the kinds that sell quickest and bring most money.

That the opportunities offered the American onion grower are not all taken advantage of may be gathered from the following extract:

"Notwithstanding the extensive production of onions in the United States, hundred of thousands of bushels are annually shipped to our ports from Bermuda, France, Spain and Cuba. This fact demonstrates that the home demand at all seasons of the year is not yet fully supplied by growers of our own country. The imported bulbs are placed on the market before the gardeners in the north can mature their crops, but the long season of California and certain parts of the south renders it possible for these sections to cultivate successfully the foreign varieties and mature the onions almost, if not quite, as early as the countries named."

For other varieties of **ONION SEED**, see pages 35, 36 and 37. For **ONION SETS**, see 2nd page of cover. Prices of Onion Seed in bulk will be found in the **BULK PRICE LIST**, pages 55, 56 and 57. Market Gardeners should write for our **Market Gardeners' Catalogue**. **LARGE ONION SEED BUYERS** should write for **Special Prices**, naming quantity and kinds wanted.





LEONARD'S RED GLOBE ONION.

### LEONARD'S WHITE GLOBE ONION.

White onions, when successfully grown, are by all means the handsomest, and will usually bring more money per bushel than either of the other colors. It is harder to grow them to perfection than it is to grow yellow or red, because they will not stand adverse conditions of weather and other drawbacks so well. Many growers, however, have mastered the art of growing good crops of whites, and the better prices realized for them is quite an inducement for continued effort by those who have not been so successful.

### FINEST SHAPE, BEST COLOR AND YIELDS LARGEST CROP OF ANY WHITE ONION.

Pkt., 5c.; 1-2 oz., 10c.; oz., 20c.; 1-4 lb., 75c.; lb., \$2. By express, 5 lbs., \$9.50; 10 lbs., \$18; 25 lbs., \$43.75.

If you want a flat shaped Onion, notice Our  
**EARLY YELLOW CRACKER ONION** on page 35, Our **EXTRA EARLY FLAT RED** and Our **LARGE RED WETHERSFIELD**, also on page 35. These are the finest flat shaped Onions, and our stocks of them correspond in merit to Our Special Globe Varieties.

## ONION SPECIALTIES. LEONARD'S RED GLOBE ONION.

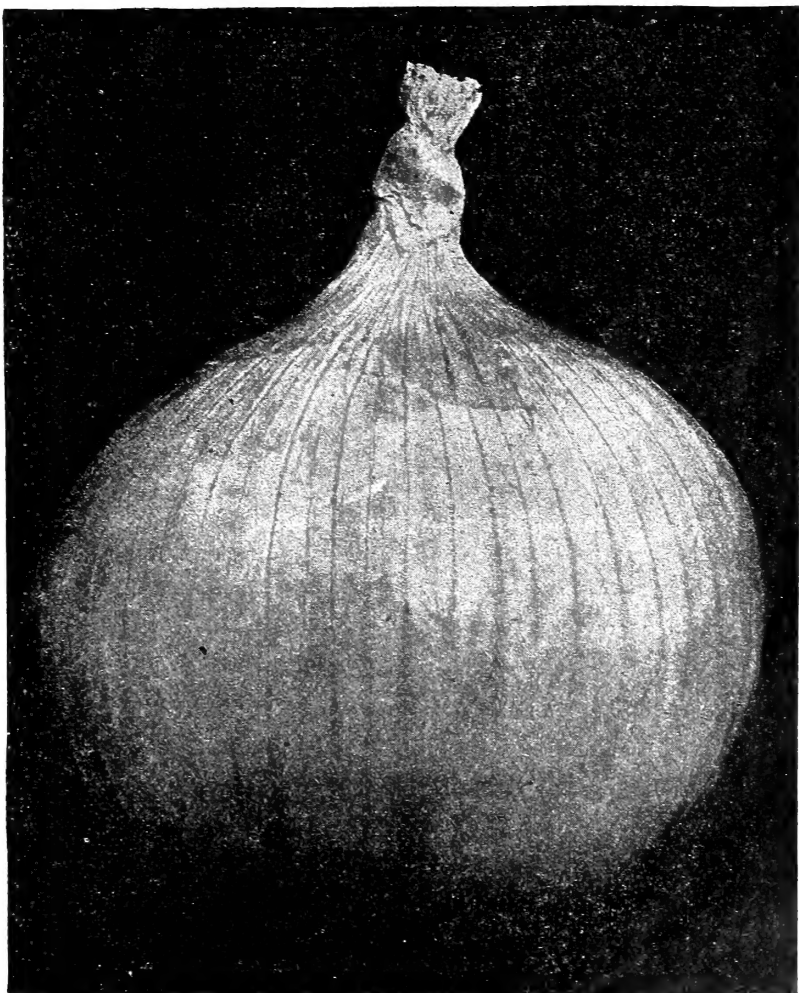
This is another of our onion specialties which merits especial prominence. The red varieties are the ones most popular in many of the large markets of the country, and growers, in order to realize the most from their labors, have to grow red as well as yellow, in good sized quantities. Our strain of large Red Globe is similar in size, shape and uniform excellence to our Leonard's Yellow Globe. We grow and select the bulbs of it for seeding with the same care, and have succeeded in securing a strain of large Red Globe, which is a worthy companion to our famous Yellow Globe. In color our Red Globe has that deep, bright appearance so much sought for in a red variety.

### FINEST SHAPE, BEST COLOR AND YIELDS LARGEST CROP OF ANY RED ONION.

Pkt., 5c.; 1-2 oz., 10c.; oz., 20c.; 1-4 lb., 60c.; lb., \$1.70; post-paid. By express, 5 lbs., \$7.50; 10 lbs., \$14.50; 25 lbs., \$35.

Our Specialty is the Market Garden Trade. Our Stocks of Cabbage, Cauliflower, Onion, Celery, Radish, etc., are grown and selected to meet the requirements of this critical class of buyers.

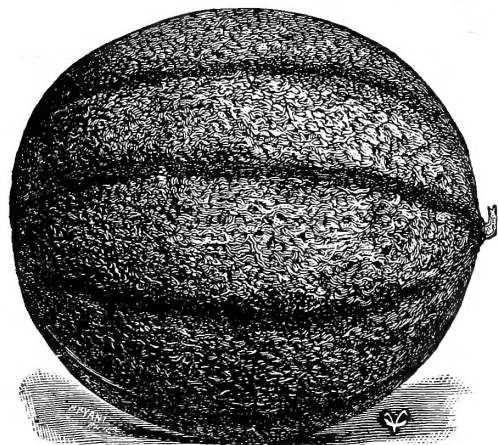
Our Prices are low, considering the exceptional quality of our Goods.



LEONARD'S WHITE GLOBE ONION.



## MISCELLANEOUS SPECIALTIES AND NEW VARIETIES.



MUSK MELON, OSAGE GEM.

### MUSK MELON.

**The Osage Gem.** Outside like Netted Gem, inside like Osage or Paul Rose, it pleases the eye on sight and confirms the impression by its color and exquisite flavor when cut.

This new hybrid of Original Osage and Netted Gem much resembles Paul Rose in size and inside salmon flesh, but in outside skin and netting it is exactly like the oval Netted Gem with the best style of netting.

It has two great advantages for the gardener. First, it will sell for highest prices in any market where Gems are popular, on the appearance as a first-class type of that variety. Second, when cut it will please all customers who prefer a salmon flesh, and will sell on its merit as a table quality, which, when well grown, is first-class, averaging good right through the crop. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

### EARLY CYCLONE CUCUMBER.

This is one of the earliest cucumbers in cultivation and is of the most desirable White Spine type. It is shorter and thicker, and holding its deep green color better than any White Spine or other early cucumber in cultivation. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.

EARLY  
CYCLONE  
CUCUMBER

### THE THORBURN CENTURY TOMATO.

This fine new tomato is quite distinct, very large, extremely productive and as early as Atlantic Prize. The fruits are of a fine dark scarlet color, perfectly smooth, thick and always full and plump. Pkt., 5c.; oz., 30c.



RADISH TRIUMPH SCARLET STRIPED.

### RADISH.

**Triumph Scarlet Striped, Forcing.** A very desirable addition to our forcing sorts. The roots are about the size and shape of Scarlet Turnip White Tipped, Forcing, but are creamy white, beautifully marked with spots and dashes of carmine. The tops are small. The roots mature as early as any variety in cultivation. Desirable on account of its distinct beauty, earliness and good quality. See also page 44. Pkt., 5c.; oz., 20c.

### NEW CELERY.

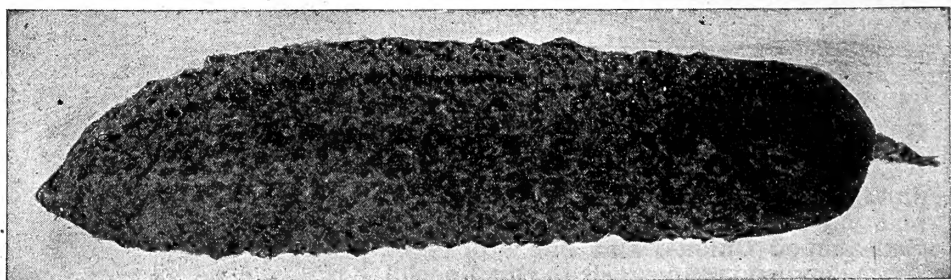
**Winter Queen.** This is, without doubt, the most valuable variety of celery for winter and spring use ever introduced, even excelling the celebrated Perfection Heartwell as a late winter keeper. It is also much stouter, thicker and heavier, with double the amount of heart of any known celery. The plant is beautiful in appearance, of close habit and compact growth, and blanches to a beautiful cream white. Ribs perfectly solid, crisp and of a delicious nutty flavor. It is worthy of first place as a late celery, and will keep longer than any other variety. Grow Winter Queen once and you will grow it always. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

### THE CUMBERLAND CUCUMBER.

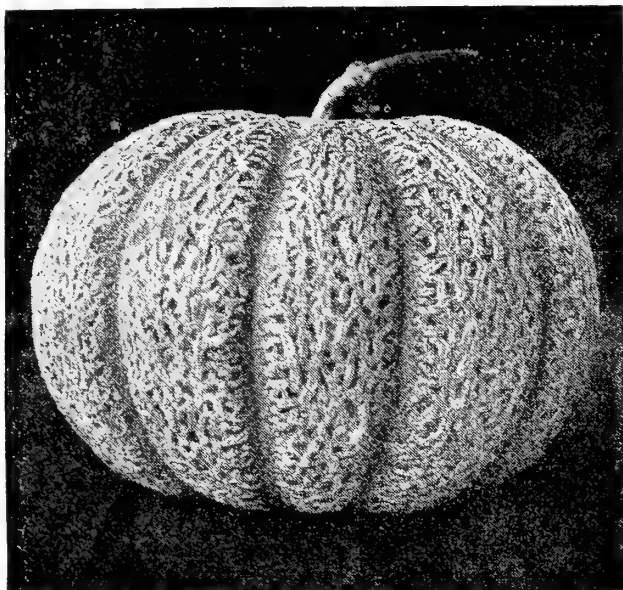
THE BEST PICKLING CUCUMBER KNOWN.

"We honestly believe this to be the best pickling cucumber ever produced."—C. P. COY & Co.  
The variety is of the hardy, White Spine type, is a rapid, strong and vigorous grower and very prolific in fruit. The pickles differ from all other hardy sorts in being thickly set with fine spines over the

entire surface, except the extreme stem end; and during the whole period of growth, from the time they first set until fully grown, the form is exceptionally straight and symmetrical, thus being as choice as a slicing variety as it is for pickles. The flesh is firm, but very crisp and tender at all stages. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.



THE CUMBERLAND CUCUMBER.



CHICAGO PROLIFIC NUTMEG.

**ANNE ARUNDEL MUSK MELON.**

This fine melon is an improvement on the Acme or Baltimore. In form it is oblong, netted, showing slight depression in ribs. Heavy meated, with spicy, delicious flavor. There is no better oblong, green fleshed melon grown than this one. At our trial grounds the past season it showed up qualities which lead us to offer it and to recommend it to all gardeners. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 75c.; post-paid.



NORFOLK BUTTON MELON.

**SWEET HOME MUSK MELON.**

This is one of the sweetest musk melons grown. It is a fine large melon of quick growth. The illustration is from a photograph of a specimen grown last season on our trial grounds at Jefferson Park, and shows the handsome appearance of the melon. Every melon grower should try this splendid new variety. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.

**BOUNTIFUL BEANS.**

This new green podded bush bean is a heavy cropper and very early. It is a stringless variety and a careful selection from one of the standard sorts. Its hardness and great productiveness make it one of the very best bush beans. Pkt., 5c.;  $\frac{1}{2}$  pt., 15c.; pt., 25c.; qt., 45c.; post-paid.

**Miscellaneous Specialties and New Varieties.****CHICAGO PROLIFIC NUTMEG MUSK MELON.**

This fine early musk melon has given excellent satisfaction to melon growers. It is an improved form of the extra early Hackensack. Our illustration is a photograph of a specimen taken from our test grounds the past season. This melon is early, productive, of the finest quality. It is the best type of early Nutmeg that we know of. Gardeners and melon growers will find it superior to Skillman's Jenny Lind, or any of the extra early strains of the Nutmeg type. It is nearly as large as Chicago Market Nutmeg, and of fully as good quality. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 75c.; post-paid.



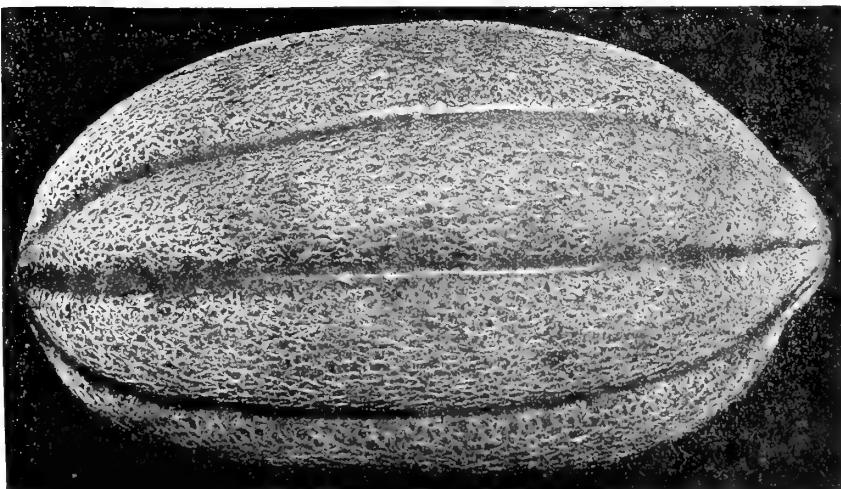
ANNE ARUNDEL.

**NORFOLK BUTTON MUSK MELON.**

The illustration, which is a photograph of specimens we grew on our trial grounds last season, shows the distinct form of this fine little melon. The type seems to be thoroughly established, as the whole crop we grew last season were very uniform. The quality of this melon is excellent. We recommend it as being worthy of a trial. This melon is highly prized in eastern markets, owing to its earliness. It is the earliest really good melon that reaches the New York and Philadelphia markets from the south. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.

**LONGFELLOW BEANS.**

This new bean has long green pods, is exceedingly prolific, always solid, of delicious flavor, is tender and remarkably early. It matures its crop very regularly and withstands adverse conditions well. A good bean for market or home use. Pkt., 5c.;  $\frac{1}{2}$  pt., 15c.; pt., 25c.; qt., 45c.; post-paid.



SWEET HOME MUSK MELON.

## GENERAL LIST.

We pay all postage and expressage on vegetable and flower seeds quoted by the package, ounce, one-fourth pound and pound; also pints and quarts, and bulbs and plants, except when otherwise noted; but we positively do not pay charges on pecks and bushels.

### ARTICHOKE.

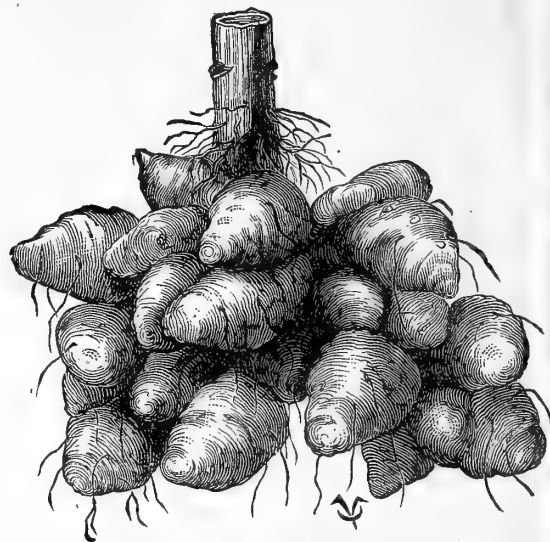
(GLOBE.)

FR., *Artichaut*. GER., *Artischoke*.

Sow in April in rich soil, and transplant the following spring to permanent beds (in rows or hills), three feet apart, and two feet between the plants. They only give a partial crop the first season, but the beds will remain in bearing for years. Protect in winter by a covering of leaves or coarse manure.

✓ **Large Globe.** Grown for the unripe flower heads, which are highly esteemed by epicures. Per oz., 25c.

✓ **Jerusalem.** This variety is not produced from seed, but is cultivated for its tubers, which are especially valuable for stock feeding on account of their fattening properties; they are well adapted to any soil where corn and potatoes can be grown. They are the best hog food known; a preventive of cholera and other hog diseases. One acre planted in Jerusalem artichoke roots will keep from 20 to 30 head of hogs in fine condition from October until April, except when the ground is frozen too hard for them to root, as they should not be dug in the fall, but the hogs turned into the field to help themselves by rooting for them. Three bushels of tubers are sufficient to seed one acre; cut to one eye, the same as potatoes, planting in April or May, in rows three feet apart and two feet in the rows, and cover about two inches deep. Price, lbs., 20c.; post-paid; by freight or express, pk., 50c.; bus., \$1.00.



ARTICHOKE JERUSALEM.

### ASPARACUS.

FR., *Asperge*. GER., *Spargel*.

Sow one ounce for sixty feet of drill. Sow in March or April, in rows one foot apart. When two years old transplant into permanent beds, which should be well and deeply manured, and trenched to the depth of two feet. Set the plants (in rows) from three to four feet apart, and two feet in the rows, spreading out the roots, and covering from six to eight inches. On the approach of winter cover with manure or compost; fork the beds early in the spring, and apply a dressing of salt. Cut for use the second year after planting in permanent bed.

#### ASPARAGUS SEED.

✓ **Columbian Mammoth White.** A new and entirely distinct variety, that produces shoots that are white, and remain white as long as fit for use. In addition to this advantage it is more robust and vigorous in habit, and throws up larger shoots and fully as many of them as Conover's Colossal and requires no earthing up, as in the green sorts, in order to furnish the white shoots so much sought after. This grand result in producing a white asparagus did not come by chance, but was the outcome of years of patient work and careful selection by the originator. Oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

✓ **Conover's Colossal.** The standard variety; of large size, tender and of excellent quality. Oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

✓ **Barr's Mammoth.** The stalks are very large, frequently one inch in diameter, with few scales; the stalks retain their thickness completely up to the top of the shoots, and have close, round heads. They are very quick growing and very light in color. The stalks are very tender and succulent, entirely free from woody fiber, and make shoots fit for market in one day. Oz., 10c.; lb., 60c.

✓ **Palmetto.** It is of very large size, even and regular in growth and appearance. It is a very early sort, and immensely productive and of the best quality. Oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

#### ASPARAGUS PLANTS.

These prices do not include postage. If to go by mail, add at the rate of 50c. per 100 for the 2-year-old plants.

**Columbian Mammoth White.** 2-year-old roots.

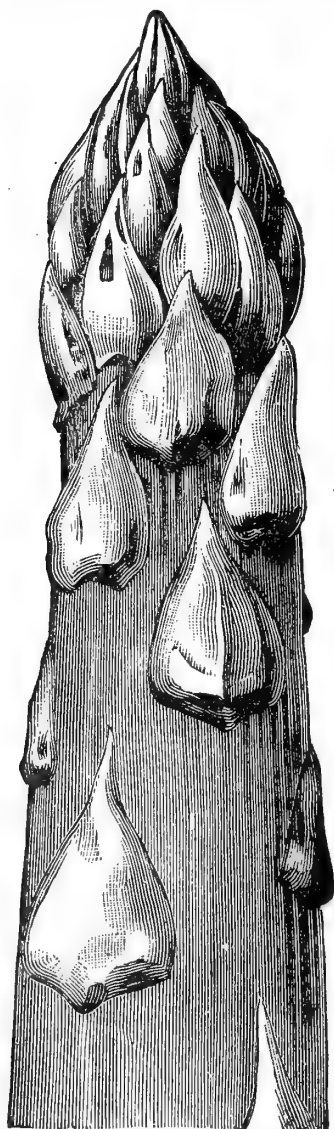
**Conover's Colossal.** 2-year-old roots.

**Barr's Mammoth.** 2-year-old roots.

**Palmetto.** 2-year-old roots.

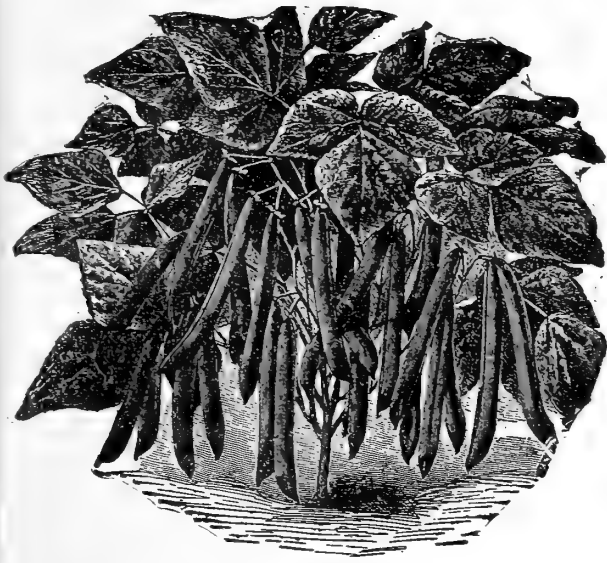
**PRICES ON ANY VARIETY OF 2-YEAR-OLD ROOTS: PER 100, 75c.; PER 1000, \$6.00**

Special prices on larger lots on application.



COLUMBIAN MAM. WHITE.





NEW STRINGLESS GREEN POD.

## BUSH BEANS.

### GREEN POD VARIETIES.

✓ **Stringless Green Pod.** This new bean produces a vine similar to Red Valentine, but develops pods to edible condition two to three days earlier than Valentine, that is to say in thirty to thirty-one days from germination, which extraordinary maturity for table at once advances the Stringless Green Pod to the first rank among table beans. The pods are green, not quite so round as Valentine and less curved. The pods are stringless—absolutely so—this quality at once placing the variety at the top of the list among table beans. While the early maturity is of great merit, this stringless quality is of particular value, the pods breaking as short and free as pipe stems.

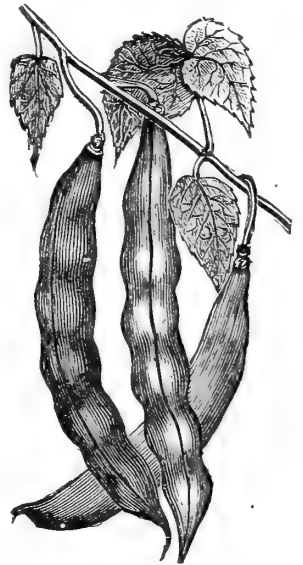
✓ **Extra Early Refugee.** This is a great improvement on the old and well known Refugee, as it is a long way earlier, being fit to pick nearly as early as six weeks. It is more dwarf and compact in growth, while the pods are round, solid, tender, and of the most excellent quality when cooked for table use or for canning or pickling.

✓ **Refugee, or 1,000 to 1.** The standard late pickling variety; matures two weeks later than the extra early kinds. Very valuable for pickling.

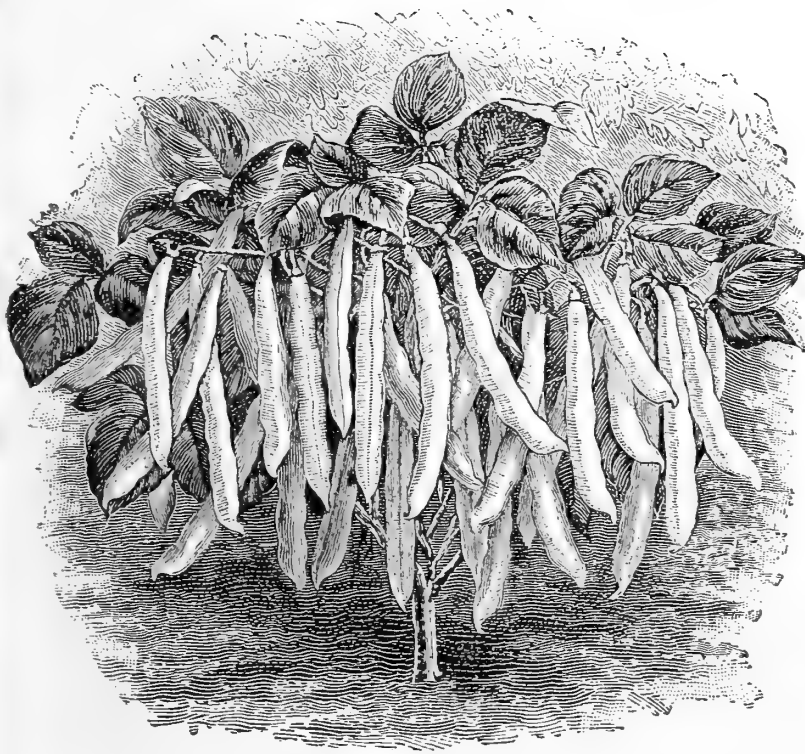
✓ **Early Mohawk.** One of the oldest and best-known sorts. It is the hardiest of any of the beans, resisting a slight degree of frost very successfully. The leaves and vine are large, coarse and straggling. It is early and very prolific, with pods of medium quality, broad, flat, nearly straight and very long.

✓ **Yellow Six Weeks (Improved Round Pod).** Similar to the Long Yellow Six Weeks in habit of growth and season of maturity; but the seed and the pod are round, and in quality it is superior.

✓ **China Red Eye.** One of the oldest and best known of the green podded varieties. Early, hardy, productive, pods straight, flat, and when picked young, of good quality.

YELLOW SIX WEEKS  
ROUND POD.

**FOR MANY YEARS** Leonard's Seed Store has supplied seeds to the large majority of the Chicago Market Gardeners. Our trade with this critical class of buyers is increasing each year, and we do not know of a case of dissatisfaction. Our seeds have the best name; our sales to market gardeners are more than the combined similar sales of the other Chicago houses. This is a record to be proud of, and it guarantees to all who place orders with us that the best the market affords will be sent to them.



EXTRA EARLY RED VALENTINE.

✓ **Extra Early Red Valentine.** Pods develop to an edible condition in thirty-two days from germination. Color of pods, light green and semi-transparent. Form of pods, round and slightly curved. Succulent, prolific, and quite free from strings, continuing long in edible condition.

✓ **Best of All.** Very productive, in showy pods, long, half round, undulating green, with occasional dashes of red. A profitable sort to the market gardener.

✓ **New Giant Green Pod Stringless Valentine.** The greatest novelty in beans ever offered. More than a week earlier than Improved Round Pod Valentine, and more prolific.

✓ **Dwarf Horticultural.** The best shell bean for fine quality, much esteemed by all who know it; worthy of a trial.

**PRICES ON ALL BEANS ON THIS PAGE,  
EXCEPT WHERE NOTED OTHERWISE, ARE:**

**PKT., 5c.; 1-2 PT., 10c.; PT., 20c.;**

**QT., 35c.; POST-PAID.**



WARDWELL'S KIDNEY WAX.

**BUSH BEANS.****WAX PODDED VARIETIES**

✓ **Wardwell's Dwarf Kidney Wax Bean.** Hardy and productive, pods long, broad, flat, and of a delicate waxy yellow, brittle and entirely stringless. The yield considerably exceeds that of the common Golden Wax, and is equally as early.

✓ **Curries' Rust Proof Wax.** Seed black; a fine sort. Rust proof, tender thick fleshed pods, early and very productive.

✓ **Yosemite Wax.** The largest of all bush wax varieties, pods thick, and of excellent flavor.

✓ **Leonard's Golden Eye Wax.** This is the hardiest and handsomest of all the wax beans. Rust proof; the best variety for the market garden; for shipping it is unexcelled.

✓ **Golden Wax.** The old standard wax sort. It is productive, early, prolific, and on the whole is yet among the best for family use.

✓ **Improved Golden Wax.** Rust

proof. An improvement on the old Golden Wax. The pod is somewhat round, meaty and entirely rust proof.

✓ **White Wax.** One of the best for family use. Stringless, waxy, yellow pods; very brittle, tender and of delicious flavor.

✓ **Ivory Pod Wax.** One of the most prolific and earliest of the wax varieties.

✓ **Keeney's Rustless Golden Wax.** Combines hardness and productiveness with fine quality. A strong growing bush variety of remarkable vigor and freedom from rust. The pods are meaty and well filled, thick flat when young and semi-round later; a very desirable variety.

✓ **Detroit Wax.** A distinct variety of recent introduction, which is worthy of a place in every garden. The waxy, yellow pods are produced in great abundance and the quality is extra fine.

✓ **Flageolet Wax.** A large bush wax variety; seed large, purplish red; excellent as a snap bean, and in great favor as a dry shell bean.

✓ **Valentine Wax.** This is a new bean of great merit. It is without exception the earliest wax bean in cultivation. The pods are very meaty, and with so very little string that they may justly be called stringless. It is remarkably free from rust, and is the best in quality for snap beans of any wax bean in use. The introducers of this bean claim that beans planted on June 18 produced pods four inches long by July 25, and on August 1 half a crop could be picked.

✓ **Black-Eyed Wax.** A cross between Black Wax and Golden Wax. Earlier than either one, and of much better quality, being wonderfully brittle, perfectly stringless and of fine flavor. Pods like Black Wax; seed white, black around the eye.

✓ **Violet Flageolet Wax.** Early; soon as Black Wax. Exempt from rust. Pods long, tender, delicious. Enormously productive. Valuable for kitchen, garden and market.

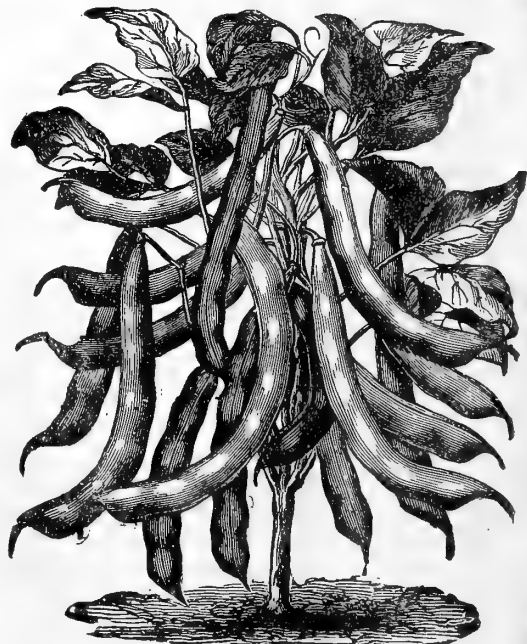
✓ **Prolific Black Wax.** The old standard Black Wax bush bean. It is so good that it is worthy of special notice. The pods are round, brittle, of handsome golden yellow color, and of buttery flavor when cooked. Do not forget the old meritorious kind when looking over the list, and include this in your orders.

✓ **Challenge Black Wax.** A very prolific strain of wax beans, fine round pods, flavor excellent, earlier than the ordinary Black Wax, and not so apt to rust.

**JONES' STRINGLESS WAX.**

A white seeded variety with round, stringless pods of unsurpassed beauty and quality. This is the result of crossing a white seeded sort with the Yosemite, and in it the good qualities of the latter variety are developed to a superlative degree, while its faults of shy bearing and imperfect pods are eliminated. The Jones' Stringless Wax is wonderfully productive of uniformly well shaped and handsome pods. The plant is exceedingly hardy and rust proof. It matures the long, round, fleshy, stringless pods very early and ripens its crop of seed earlier than the earliest of our field beans. It will prove a valuable sort for the farm as well as the garden.

**PRICES OF ALL BEANS ON THIS PAGE, EXCEPT WHERE NOTED OTHERWISE, ARE: PKT., 5c.; 1-2 PT., 15c.; PT., 25c.; QT., 40c.; POST-PAID.**



CHALLENGE BLACK WAX.



**BUSH BEANS.****WAX PODDED VARIETIES.**

✓ **Davis Kidney Wax.** A new variety introduced 1897 season. It is adapted alike for the canner, market gardener, shipper or amateur. The dry bean is large, kidney shaped and white in color, making it one of the best for cooking in the dry state. The pods are long, mealy, stringless, and of a beautiful yellow color. It stands shipping better than any other, and is one of the best of the wax podded varieties.

✓ **Early Refugee Wax.** A perfect Refugee with wax pods; long, round, of a golden yellow color. One of the earliest. It is of very good quality, the pods being very tender. We can recommend it as being a first-class wax bean.

✓ **Keeney's Pencil Pod Wax.** Keeney's Pencil Pod Black Wax grows a taller, stronger and more vigorous bush than the Improved Prolific Black Wax, which is one of its parents. The other parent is the Round Pod Refugee or Thousand to One, and from this latter source the Pencil Pod Black Wax gets much of its vigor, hardiness and productiveness, and its long, slender, straight, handsome pod, shaped very much like a pencil.

**VARIETIES FOR SHELL BEANS.**

✓ **Large White Marrow.** A large shell bean. Qt., 35c.; bu., \$4.00.

✓ **Improved White Kidney.** An excellent shell bean. Qt., 35c.; bu., \$5.00.

✓ **Prolific Tree.** Another very productive shell bean. Qt., 20c.; bu., \$4.00.

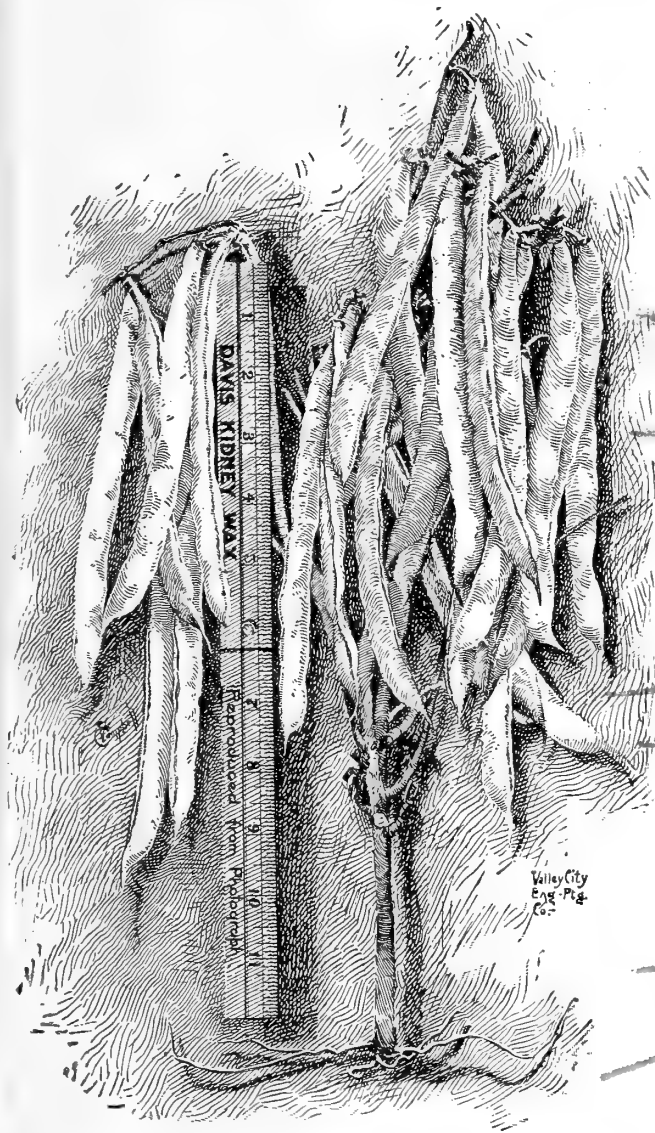
✓ **Navy.** The standard variety for shell bean. Qt., 35c.; bu., \$4.00.

✓ **Boston Small Pea Bean.** A new shell bean. Qt., 35c.

✓ **Broad Windsor.** An English variety of good quality. Qt., 35c.

✓ **Goddard, or Boston Favorite.** A fine shell bean; pods are very large and prolific. Similar to Dwarf Horticultural.

✓ **Vineless Marrow.** A splendid new bean for field culture. Plant large, strong and vigorous, but compact and without runners, bearing its crop in the center and well up from the ground. The dry beans are very large, very white and of the best quality. A wonderfully prolific and valuable sort.



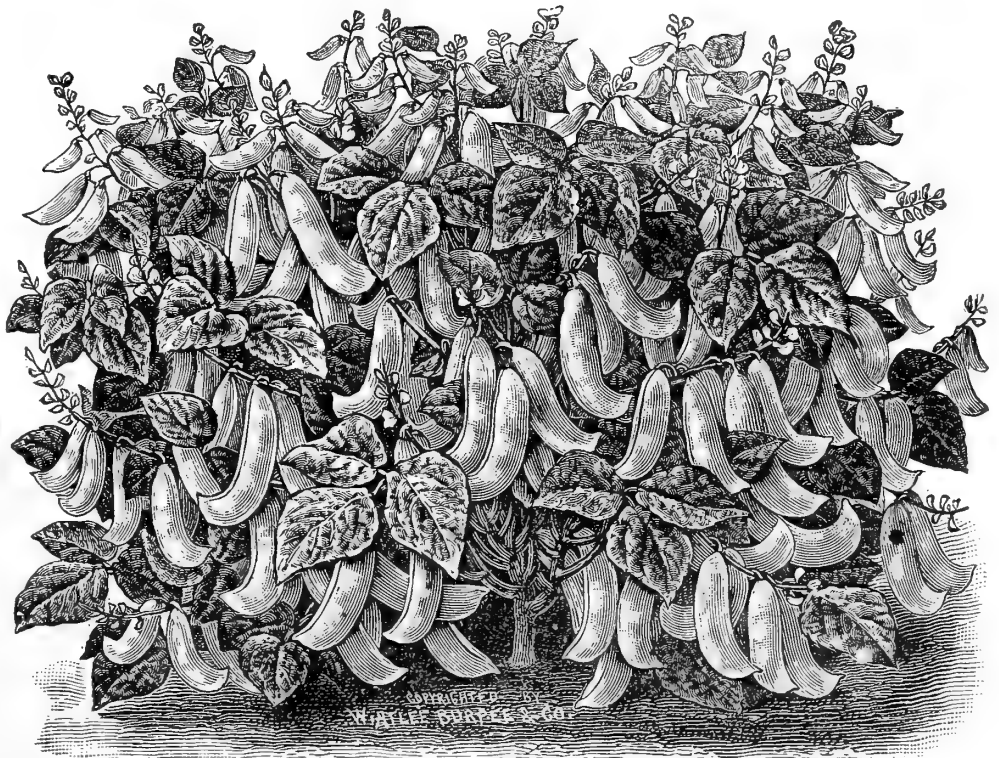
DAVIS KIDNEY WAX BEAN.

**DWARF LIMA VARIETIES.**

✓ **Burpee's.** The only bush form of the true, luscious, large Lima. It is pronounced by all good judges as unquestionably the real Bush Lima. The bushes grow eighteen to twenty inches high, of stout growth and always erect. It is an immense yielder, the pods being filled with very large beans. Pkt., 5c.;  $\frac{1}{2}$  pt., 15c.; pt., 25c.; qt., 40c.

✓ **Dreer's.** The true bush form of the chubby Dreer's or Potato Lima. The pods are heavy and thick. It is quite productive and of excellent quality. Pkt., 5c.;  $\frac{1}{2}$  pt., 15c.; pt., 25c.; qt., 40c.

✓ **Henderson's.** This is a bush form of the small Seiva pole bean. It is the original bush form of the pole beans. It is the most productive of any, and on the whole is a vegetable of great merit. Pkt., 5c.;  $\frac{1}{2}$  pt., 10c.; pt., 20c.; qt., 35c.



BURPEE'S BUSH LIMA.

## POLE BEANS.

**Seibert's Early Lima.** This new variety is one of the very earliest. The vine is very vigorous and productive. Pods are large, but thin, and can be more easily opened than those of other varieties. The green beans are very large, handsome and of the best quality.

**Early Jersey Lima.** Ten days earlier than any other Lima. We recommend this variety to all who desire a profitable Lima bean.

**Large White Lima.** The old standard variety, productive and of good flavor.

**King of the Garden Lima.** A very large sort, considered the most productive of any of the Limas.

**Dreer's Improved Lima.** Also called the Potato Lima. The beans are distinct in appearance, thick, round and of excellent flavor.

**Ford's Mammoth Lima.** A variety that is much esteemed wherever it has been tried.

**Small Lima or Sieva.** This is the standard small Lima. It is very productive and of good flavor.

**Dutch Case Knife.** Vines moderately vigorous, climbing well, but twining more loosely than some, and so may be used for a corn hill bean. Leaves large, crumpled; blossoms white, pods very

long, flat, irregular, green, but becoming creamy white; beans broad, kidney shaped, flat, clear white, and of excellent quality, green or dry.

**Kentucky Wonder.** This splendid variety, introduced in 1885, has since been offered as *Seek No Further*, and was introduced in 1891 as a novelty under the name of *Old Homestead*. Vine vigorous, climbing well and very productive, bearing its pods in large clusters; blossoms white; pods green, very long, often reaching nine or ten inches, nearly round when young, and very crisp, becoming very irregular and spongy as the beans ripen. Dry beans long, oval, dun-colored.

**Scarlet Runner.** A great favorite, both ornamental and useful. Height, ten feet, presenting dazzling scarlet flowers, from July to October. Used both as a string bean and shelled. Seeds, when ripe, lilac, mottled black.

**London Horticultural, or Speckled Cranberry.** Vines moderately vigorous, with large, light colored leaves and purple blossoms; pods short, broad, pale green but becoming streaked with bright red; beans large, ovate, splashed and spotted with wine red, and of the highest quality, either green or dry.

**Red Speckled Cut Short.** (Corn Hill.) This is the best sort to plant in hills of corn. It is praised beyond measure by all who have tried it.

**White Sickle.** Those who object to the Kentucky Wonder because of the colored beans will be delighted with this new sort, which has equally long and tender pods, but with white instead of colored beans. It has been grown with great success in the south, and those who have used it think by far the best bean for their section.

**Lazy Wife.** Immensely popular everywhere. It is exceedingly productive and easily gathered. Probably this is why it comes by its very discourteous name. It is an excellent bean.

**PRICES OF ALL BEANS ON THIS PAGE, EXCEPT WHERE NOTED OTHERWISE, ARE: PKT., 5c.; 1-2 PT., 15c.; PT., 25c.; QT., 45c.; POST-PAID.**



OLD HOMESTEAD OR KENTUCKY WONDER.

## POLE BEANS.

**Horticultural Lima.** A cross between the Dwarf Horticultural and Dreer's Improved Lima, combining the good qualities of the latter with the earliness of the former. Its extreme earliness and hardiness will permit of its being planted far north of where any true Lima bean can be grown, while its prolificness and the quality of the green shelled beans make it a desirable addition to any garden.

**Golden Champion.** We think this the earliest and one of the best of the wax podded pole beans. Vines medium size to large, with yellow stems; leaves very light green, strongly tinged with yellow, giving the whole plant a yellow appearance; flowers pink, pods long, cylindrical, much curved, flat, very fleshy, stringless, bright golden yellow color, of excellent flavor, and borne in clusters; dry bean, long narrow, flat, kidney shaped, bluish black.

**Southern Prolific.** A very prolific sort and popular in the south for snaps. Vines vigorous, with large, thin, smooth leaves; blossoms white; pods produced in clusters, green, cylindrical or thicker than broad, long, fleshy, crisp; beans small, oval, dun colored, and somewhat variable in shade.

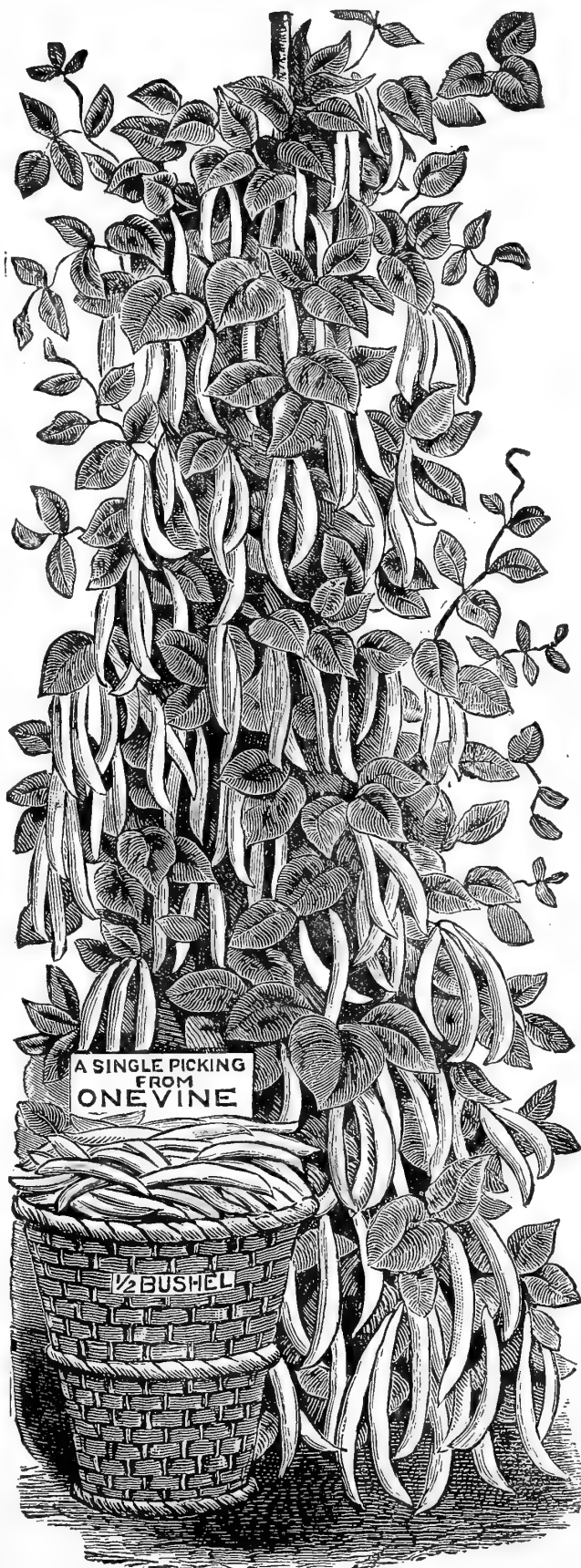
**Early Golden Cluster Wax.**

The finest, earliest and best of all the wax pole beans. It is very early, being only a week later than the Golden Wax.

**White Creaseback.** This variety is especially valuable for its extreme earliness and its habit of perfecting all of its pods at the same time. Vines small to medium, but vigorous, and in good soil wonderfully productive, bearing pods in clusters of from four to twelve. Pods medium length, silvery green, of the best quality as snaps, and stand shipping better than most sorts. The beans are too small to be of much value when shelled green, but are of very superior quality baked. When dry they are small, oval, very white and hard.

**Mammoth Podded Horticultural.** The old London Horticultural has been considered the very best bean known for use, either as green shelled or for baking, but in this sort we have a bean similar in general character, but better in every way. The mammoth pods are striped and splashed with exceedingly brilliant crimson, and the immense beans are of the very best quality. The vine is hardier and more productive. The pod is larger and more beautiful. The bean is larger and of better quality.

This variety has been sold under a great many names, such as Hamden Pole, Worcester Pole, Mugwump.



SOUTHERN PROLIFIC.



PRICES ON ALL POLE BEANS ON THIS PAGE, EXCEPT WHERE NOTED OTHERWISE, ARE:  
PKT., 5c.; 1-2 PT., 15c.; PT., 25c.; QT., 45c.; POST-PAID.



## TABLE BEETS.

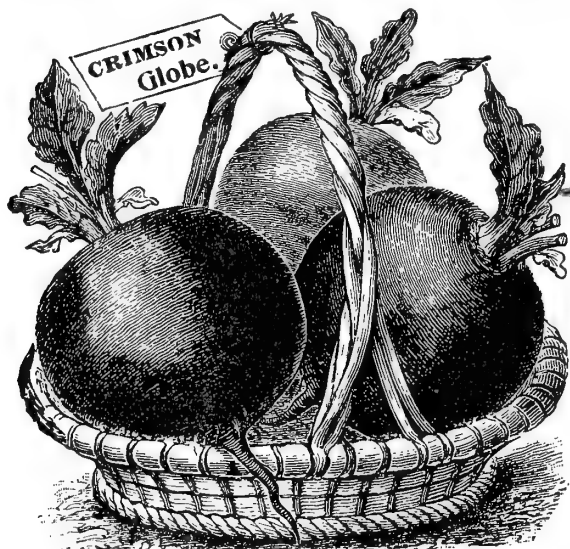
### ✓ LEONARD'S EXTRA EARLY EGYPTIAN BEET.

This is the earliest and best bunching beet for market gardeners. It has been grown for the past twelve years by the gardeners of Chicago, and now they will take no other for early bunching. It is a specially selected strain, grown by us for the past ten years, and is being improved each year, and is superior to any other strain of Egyptian beet.

✓ **Electric.** A fine early beet. The color is dark crimson, with rings of a lighter red. Shape round and smooth; leaves small and compact.

### ✓ CROSBY'S EGYPTIAN BEET.

A selection from that old market beet, Early Egyptian, which retains the earliness of the parent stock, and has added thickness, giving it a more desirable shape. It is the deepest red, almost black in color, and is of finer quality than the Egyptian, being sweeter and even more tender and smoother. A very desirable sort for small beets for early market, as it is in presentable market shape quicker than any variety except Leonard's Egyptian. It is a very rapid grower and can be sown outside as late as July.



CRIMSON GLOBE BEET.

✓ **Crimson Globe.** This is one of the finest beets yet introduced. Roots are not large, but very handsome. Round, and a clean, smooth surface. Leaves very small, with slender stems. We can recommend this beet for bunching, as its color and shape make them quick sellers.

✓ **Early Egyptian.** The well known early variety. Color extra dark, shape flat, quality excellent.

✓ **Bastians.** An extra early variety, much esteemed by market men east and south. Color light.

✓ **Half Long Blood.** One of the best for winter use. The roots are only half as long as the Long Blood, but weigh as much on account of their thickness. They are always smooth and handsome, and their rich, dark red flesh is very sweet, crisp and tender, never becoming woody, even in the exposed portions.

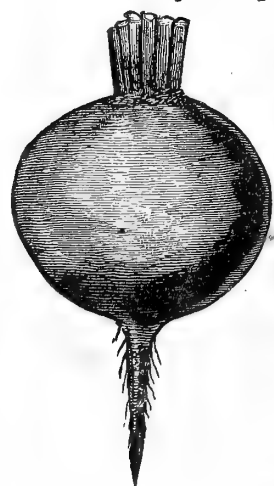
✓ **Long Smooth Blood.** The standard long late sort. Very dark blood-red flesh, quality fine.

✓ **Early Bassano.** A good early variety, similar to Egyptian in shape, but of lighter color.

✓ **Swiss Chard, or Silver.** Used for its leaves. Oz., 10c.; lb., \$1.00.

✓ **Dewing's Early Blood Turnip.** A good variety for main crop. Keeps well. Like Edmand's, but lighter color.

✓ **Lentz Turnip.** Of similar size and shape to the Bastian turnip; top small. Early and profitable.



ECLIPSE BEET.

✓ **Early Eclipse.** A choice early variety; well known and popular. Shape globular, quality good, color light.

✓ **Edmand's Early Blood Turnip.** The best sort for general crop. In quality one of the finest; exceedingly dark, shape globular, having only one tap root. Very popular with market men.

✓ **Improved Blood Turnip.** An improved variety of the Early Blood turnip: of deep, blood-red color; fine form and flavor. An excellent market sort.

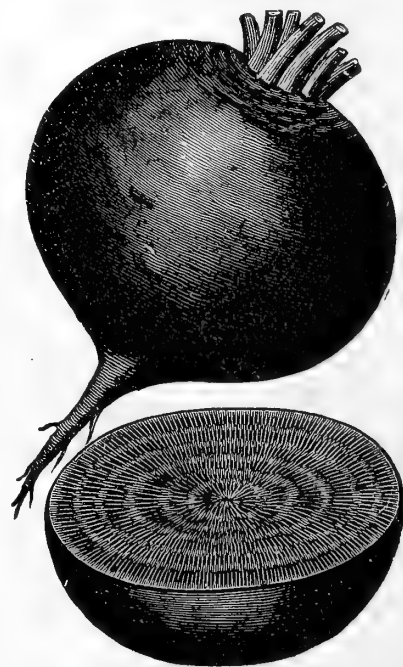
✓ **Detroit Dark Red Turnip.** Quality good, sweet and tender; color deep red; roots are turnip shaped, with small tap roots.

✓ **Long Smooth Blood.** A good late cropper. Shape long.

✓ **Columbia.** Round and smooth, with deep red flesh; early and very tender.



LEONARD'S EXTRA EARLY EGYPTIAN.



EDMAND'S BEET.

**PRICES OF ALL BEETS ON THIS PAGE, EXCEPT WHERE NOTED OTHERWISE: PKT., 3c.; 1-2 OZ., 5c.; OZ., 10c.; 1-4 LB., 20c.; LB., 60c.; POST-PAID.**

## CATTLE BEETS OR MANGELS.

A family of beets bred to a large size for cattle feeding. The roots are easily injured by autumn frosts, and therefore must be taken up in good time and properly protected. When first harvested they are acrid, and scour cattle, but after a few months become palatable and safe. The approved types produce massive roots which, well elevated above the surface, are harvested with the greatest ease and produce double the weight of turnips to the acre, to which advantage may be added the high nutritive value, the saccharine often being equal to 6 or 7 per cent of the gross weight. The mangel is a high feeder—potash and nitrogen are needed to force the plant into vigorous growth; stable manure will do it, or kainit mixed with dried meat or fish. Drill when the cherry is in bloom.

**Long Red.** A large, long variety grown for stock feeding. It stands up well above the surface; color light red; flesh white and rose colored.

**Leonard's Improved Mammoth Long Red.** The largest and most productive variety. Immense crops can be grown from it.

**Norbiton Giant Long Red.** Very large, excellent variety for feeding stock. A heavy cropper in deep soil.

**Yellow Globe.** Globular shaped roots. More productive than Long Red in shallow soil. Very nutritious and a good keeper.

**Golden Tankard.** Shape cylindrical, color deep rich yellow, flesh yellow circled with white. Unequaled for feeding stock.

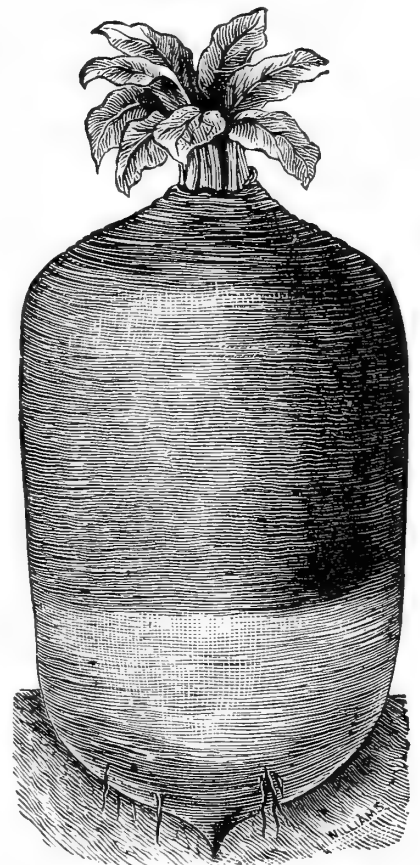
**Orange Globe.** We think this one of the best varieties of mangel wurzel grown for stock feeding. It has exceedingly small tops and few leaves; leaf stalks and blades green; roots medium sized, uniformly globe shaped, having a very small tap and few side roots; color of skin deep, orange yellow; flesh white and of excellent quality. The roots grow almost entirely above ground, making them admirably adapted to shallow ground and very easy to harvest.

**Yellow Ovoid, or Intermediate.** Root ovoid, intermediate between the long and globe varieties. Vigorous and productive.

**PRICES OF CATTLE BEETS ARE: OZ., 5c.; 1-4 LB., 10c.; LB., 35c.; POST-PAID.**



LEONARD'S MAMMOTH  
LONG RED MANGEL.



GOLDEN TANKARD MANGEL.

## SUGAR BEETS.

The possibilities and opportunities of the beet sugar industry in this country may be gathered from the following: The quantity of sugar made from beets in the world is estimated at 8,500,000,000 pounds. The quantity made from cane is 6,600,000,000 pounds, making a difference of nearly 2,000,000,000 pounds in favor of the beet; besides this we, of the United States, import each year 4,510,000,000 pounds of sugar, valued at \$130,000,000. This is four times as much as we have thus far been able to produce, and the

only reason we do not produce more is the lack of effort, because we can grow beets as cheaply and bountifully as can any country of Europe. It is found also that the beets grown here in this country contain a little more saccharine matter than those grown in European countries. Here are opportunities for the American farmer which ought to be taken advantage of.

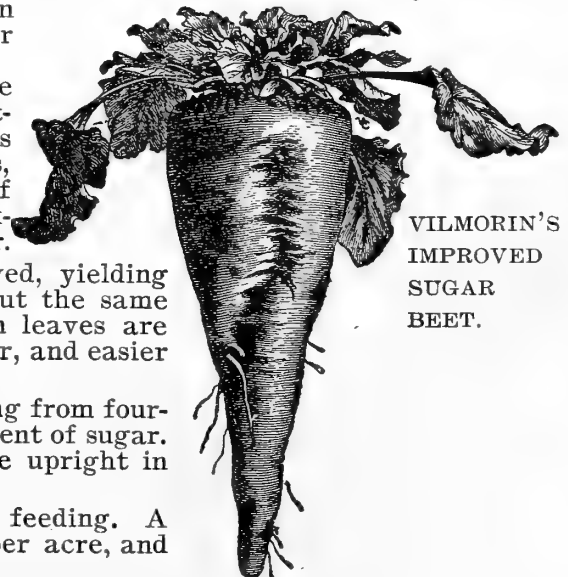
**Vilmorin's Improved Sugar.** In general, the most desirable beet for the factory is the one containing the largest percentage of sugar. In this variety we have one of the richest beets in cultivation; not only that, but it will do better on new lands, suffer less from an excess of nitrogen, and will keep the best of any. In size it is medium or little below, yielding from ten to sixteen tons per acre, and containing from 16 to 18 per cent of sugar.

**Klein Wanzleben.** A little larger than Vilmorin's Improved, yielding from twelve to eighteen tons per acre, and containing about the same amount of sugar. It grows below the surface, and the green leaves are rather large and spreading, with wavy edges. A little hardier, and easier grown than Vilmorin's Improved.

**French, Very Rich.** A variety with large, long roots, yielding from fourteen to twenty tons per acre, and containing from 14 to 16 per cent of sugar. The roots are below the surface, and the green leaves are upright in growth. The hardiest and easiest grown.

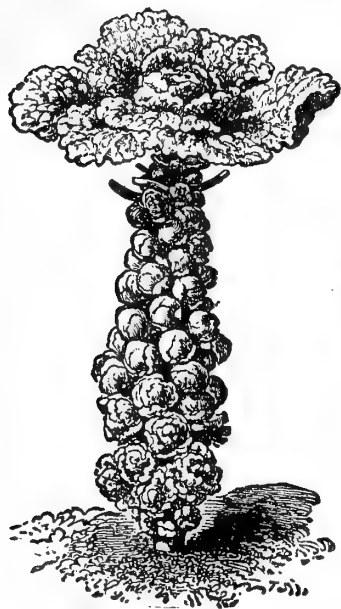
**Lane's Imperial Sugar.** Good for making sugar, also stock feeding. A hardy and productive sort. Yields fourteen to sixteen tons per acre, and contains about 16 per cent of sugar.

**PRICES OF SUGAR BEETS ARE: OZ., 5c.; 1-4 LB., 15c.; LB., 40c.; POST-PAID.**



VILMORIN'S  
IMPROVED  
SUGAR  
BEET.





BRUSSELS SPROUTS.

**BROCCOLI.**GER., *Brocoli*, *Spargel-Kohl*. FR., *Chou Brocoli*. SP., *Brocoli*.

Nearly allied to the cauliflower, but more hardy. The seed should be sown in this district in the early part of May, and transplanted in June; further south the sowing should be delayed until June or July, and the transplanting accordingly from August to October. In parts of the country where the thermometer does not fall below 20 or 25 degrees broccoli may be had in perfection from November until March. It succeeds best in a moist and rather cold atmosphere.

✓ **White Cape.** Heads medium size, close, compact, and of creamy white color. One of the most certain to head. Pkt., 10c.; oz., 40c.;  $\frac{1}{4}$  lb., \$1.50.

✓ **Purple Cape.** Differs only in color. Pkt., 10c.; oz., 50c.;  $\frac{1}{4}$  lb., \$1.75.

✓ **Welcheren.** A valuable variety, with very large firm heads. Pkt., 10c.; oz., 40c.;  $\frac{1}{4}$  lb., \$1.25.

**BRUSSELS SPROUTS.**GER., *Kopf kohl Gruner*. FR., *Chou de Broxelles*.

This is one of the best vegetables for winter use, producing from the axils of the leaves an abundance of sprouts, resembling small cabbages, of excellent, mild flavor. It has never come into general use in this country, probably owing to its being too tender to stand the winters of the northern states; still by sowing in April and planting out in July, it may be had in fine condition until December, and in the southern states may be had in use from November to March.

✓ **Tall French.** Very fine. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

✓ **Dwarf Improved.** A variety producing compact sprouts of excellent quality. Pkt., 5c.; oz., 15c.; lb., \$1.50.

**CHERVIL.**

A hardy annual, worthy of more general use for flavoring and garnishing. The curled variety is even more beautiful than parsley, and can be used to great advantage in beautifying dishes of meat and vegetables.

**CULTURE**—Sow in early spring in rich, well prepared soil, and when plants are well established transplant to about one foot apart.

**Curled.** Greatly superior to the old, plain variety, being earlier, more handsome, and having fully as fine perfume and flavor. Pkt., 5c.; oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.



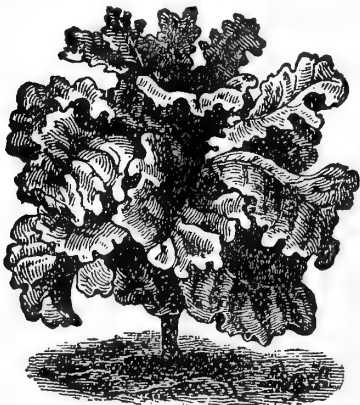
CHERVIL.

**CHIVES.**

Chives are very hardy and perennial members of the onion family. They are grown exclusively for their tops. Planted in clumps in any garden soil, they grow readily, and increase so as to render a division necessary. The tops appear very early in spring and can be cut throughout the season. Roots, per bunch, 25c. by mail, post-paid.

**CHICORY.**

**Large-rooted, or Coffee.** Our stock is the improved type, with very much larger, smoother, whiter and proportionately shorter roots than the old kind. The dried and prepared roots are used quite extensively as a substitute or adulterant for coffee. Sow the seed as early in the spring as the ground can be prepared, in a rather light, moderately rich soil, in drills fifteen inches apart for garden, and two to two and one-half feet for field culture. When the plants are sufficiently large, thin to four to six inches apart in the row. Keep clear of weeds, and in the fall dig the roots, slice them and dry in an apple evaporator, or kiln constructed for the purpose. Where the roots are grown in quantity for the manufacturers of the "prepared" chicory, they are usually brought to the factory in the "green" state and there dried in kilns constructed for the purpose. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 75c.



COLLARDS.

**COLLARDS.**

A variety of cabbage known in different sections as "Cole," "Colewort," or simply "Greens." It is extensively used in the south, where it continues in luxuriant growth all winter.

✓ **Georgia, Southern or Creole.** We offer the true white or green stemmed sort so extensively used in the south, where it furnishes an abundance of food for man and beast. Forms a large, loose, open head, or a mass of leaves on a tall stem. Freezing does not injure, but rather improves their quality. Sow thick in drills, in rich ground, transplanting when four inches high, or sow in drills where the plants are to remain, and thin to two or three feet apart in the row, when of proper size. In the south sow from January to May, and August to October. Pkt., 5c.; oz., 10c.; lb., \$1.00.



CORN SALAD.

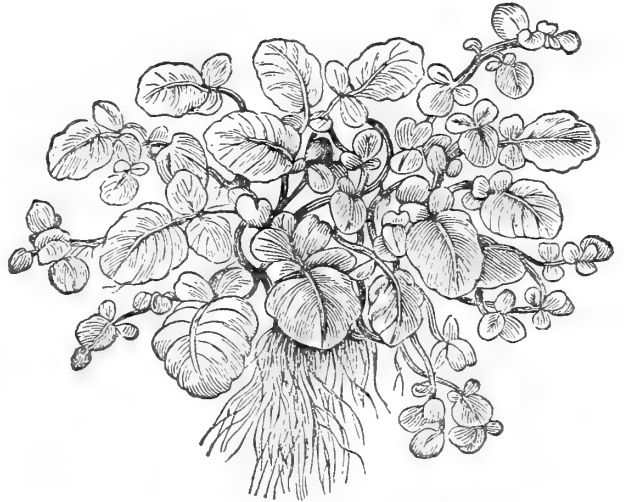
## CORN SALAD.

**Fetticus, or Lamb's Lettuce.** This small salad is used during the winter and spring months as a substitute for lettuce, and is also cooked and used like spinach. In warm weather the plants will mature in four to six weeks. Sow the seed in shallow drills about one foot apart, during August and September. If the soil is dry it should be firmly pressed over the seed in order to secure prompt germination. On the approach of severe cold weather, cover with straw or coarse litter. The plants will also do well if the seed is sown very early in the spring, and, like most salad plants, are greatly improved if sown on very rich soil; indeed, the ground can scarcely be made too rich for them. Pkt., 5c.; oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

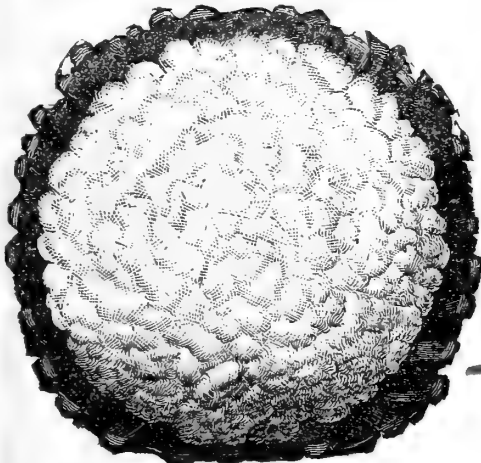
## CRESS.

✓ **Curled, or Pepper Grass.** This small salad is much used with lettuce, to the flavor of which its warm, pungent taste makes a most agreeable addition. The seed should be sown in drills about sixteen inches apart, on very rich ground, and the plants well cultivated. It may be planted very early, but repeated sowings are necessary to secure a succession. Keep off insects by dusting with Pyrethrum Powder. Pkt., 5c.; oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

✓ **True Water.** This is quite distinct from the last, and only thrives when its roots and stems are submerged in water. It is one of the most delicious of small salads, and should be planted wherever a suitable place can be found. The seed should be sown and lightly covered in gravelly, mucky lands, along the borders of small, rapid streams. The plants will need no subsequent culture, as under favorable conditions they increase very rapidly by self-sown seed and extension of the roots. Pkt., 5c.; oz., 30c.; 2 oz., 55c.;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.00.



TRUE WATER CRESS.



LEONARD'S SNOWBALL.

SEE PAGE 2.

✓ **Leonard's Earliest Erfurt.** A variety that has given excellent satisfaction to our home gardeners. It is snow white and a sure header. Gardeners will be amply repaid by giving this variety a fair trial. Oz., \$2.00;  $\frac{1}{4}$  lb., \$8.00.

✓ **Extra Early Paris.** This is a good early sort, and in a good season does well. Not as sure a header as the higher priced varieties. Oz., 50c.;  $\frac{1}{4}$  lb., \$2.00.

✓ **Autumn Giant.** A late sort of fairly good quality. Will do well under favorable conditions. Oz., 50c.;  $\frac{1}{4}$  lb., \$1.75.

**LEONARD'S SNOWBALL CAULIFLOWER  
IS THE BEST STRAIN OF  
SNOWBALL EVER OFFERED.  
NO GARDENER SHOULD FAIL TO TRY IT.**

SEE SPECIALTIES, PAGE 2.

## CAULIFLOWER.

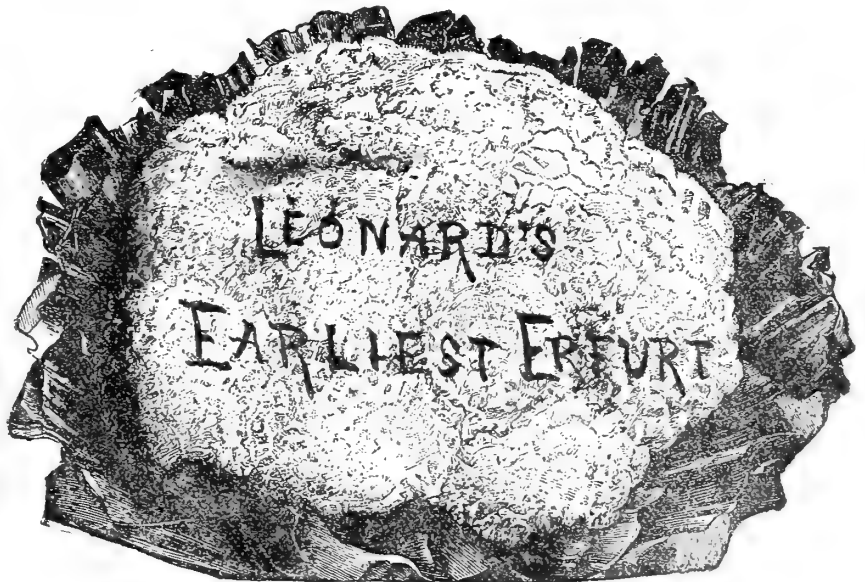
### LEONARD'S SNOWBALL.

"Your Snowball cauliflower seed gives more plants and more fine heads to the ounce than any other. It is the best Snowball cauliflower."—The general verdict of the Chicago gardeners.

SEE SPECIALTIES, PAGE 2.

✓ **Le Normand's Short Stem.** Considered by the French one of the very best sorts. Plant hardy, compact growing, sure heading, and producing many leaves which protect the close, solid curd, keeping it well blanched. Pkt., 5c.; oz., 75c.; 2 oz., \$1.25;  $\frac{1}{4}$  lb., \$2.25.

✓ **Large Algiers.** A valuable late sort, sure to head, of the best quality, and very popular with market gardeners everywhere. Plant large, but of upright growth, the leaves protecting the heads so that they will endure uninjured a frost that would ruin other sorts. One of the very best of the late sorts. Pkt., 5c.; oz., 80c.; 2 oz., \$1.50;  $\frac{1}{4}$  lb., \$2.75.



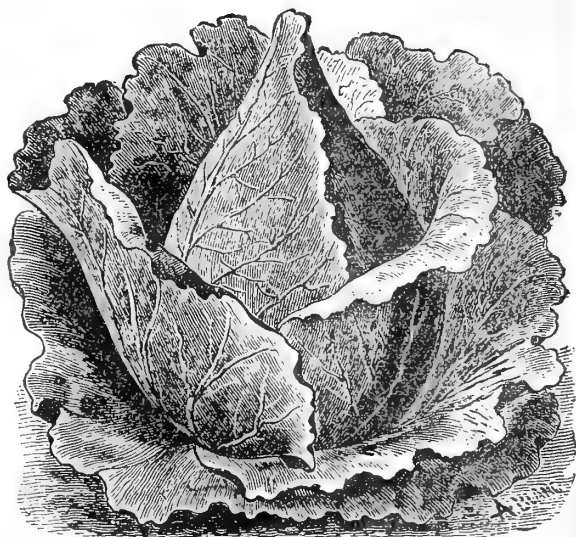
## CABBAGE.

Cabbage seed is one of our leading specialties. Chicago is and has been one of the most important growing and shipping centers for cabbages. Many carloads are shipped to all points of the country from Chicago every year. We are headquarters for such noted varieties as Holland, Luxemburg, Blue Fottlers and Faultless, and the excellent reputation of Leonard's strains of cabbage seeds is known wherever cabbages are raised.

### ✓ **EARLY JERSEY WAKEFIELD CABBAGE.**

OUR SELECT STOCK.

This is one of the most important varieties in the list. Great care must be exercised in the growing of the seed to have it pure and true to type. We give especial attention to the growing of our Wakefield stock, and its uniform excellence is a source of gratification to us. Our home gardeners are among the most critical buyers of cabbage seed in this country, and the fact that our stock suits them better than any other they can get gives assurance that it is what it should be. Pkt., 5c.; oz., 25c.;  $\frac{1}{4}$  lb., 95c.; lb., \$3.00.



EARLY JERSEY WAKEFIELD SELECT.

### ✓ **EARLY SPRING CABBAGE.**

THE EARLIEST FLAT HEAD. AS EARLY AS JERSEY WAKEFIELD.

Yields one-third more than the early pointed heads. Solid, uniform and finely grained heads. Stem is short and extends but little into the head. Entirely free from any rankness of flavor. Pkt., 5c.; oz., 25c.;  $\frac{1}{4}$  lb., 90c.; lb., \$3.00.

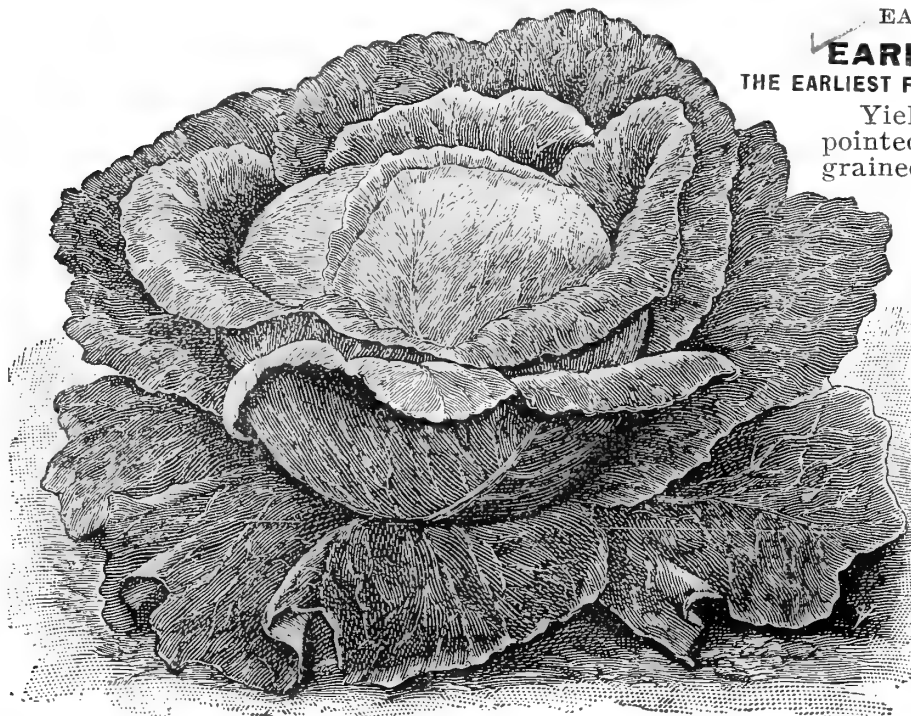
✓ **Charleston Wakefield.** Oz., 25c.;  $\frac{1}{4}$  lb., 80c.; lb., \$3.00.

✓ **Early Express.** An early sort, and makes a good head, about one week earlier than the Wakefield. Oz., 25c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

✓ **Early Winningstadt.** An early variety of excellent quality, not as early as the Wakefield. Oz., 15c.;  $\frac{1}{4}$  lb., 45c.; lb., \$1.50.

✓ **Early York.** A standard pointed head variety, second early. Oz., 15c.;  $\frac{1}{4}$  lb., 45c.; lb., \$1.50.

✓ **Early Dwarf Flat Dutch.** An early cabbage of good size. Heads are flat and very solid. Oz., 20c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.00.



EARLY SPRING CABBAGE.

✓ **Henderson's Early Summer.** A standard summer variety. We have the true stock. Oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

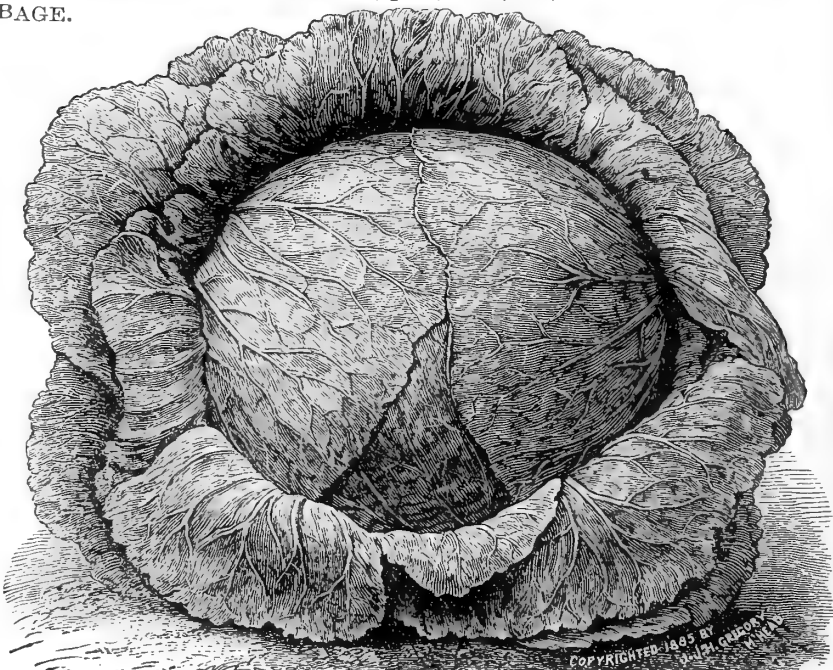
✓ **Henderson's Succession.** A good summer cabbage; also makes a good cabbage to succeed itself. Oz., 20c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.50.

✓ **Fottler's Early Brunswick.** An early fall variety, well known and popular. Oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

✓ **Fottler's Improved Brunswick (Blue Strain).** An excellent shipping sort, as it does not burst or rot. Well thought of by all gardeners of Chicago. Oz., 25c.;  $\frac{1}{4}$  lb., 90c.; lb., \$2.50.

✓ **All Seasons.** A fine variety for any season, of good shape and size. Oz., 25c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

✓ **Vandergaw or Chicago Market.** The Vandergaw is a very good second early cabbage. It is popular with many of the Chicago market gardeners. It comes in with the Succession and All Seasons, and forms a nice solid head. Our stock of this cabbage is unsurpassed. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.



ALL SEASONS.

**SEE LEONARD'S FAULTLESS CABBAGE, PAGE 3.**



**CABBAGE.**

✓ **Red Drumhead.** The standard pickling variety. A good keeper. Oz., 15c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.40.

✓ **Mammoth Rock Red.** The largest heading of any of the red sorts, of deep rich color and excellent quality. Oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.00.

✓ **Savoy Green Globe.** Deep green. Oz., 20c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.00.

✓ **Savoy Im. American.** The finest flavored of all the cabbage family, large and solid. Oz., 20c.;  $\frac{1}{4}$  lb., 75c.; lb., \$1.40.

**LOUISVILLE DRUMHEAD.**

This fine cabbage is very popular with the kraut makers. It is a medium late variety, forming a large solid head, which seldom bursts. It is used largely by shippers in the vicinity of Chicago who ship cabbages south. It comes in between the second early and the late varieties. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.



LOUISVILLE DRUMHEAD.

✓ **All Head Early.** One of the finest early flat-head cabbages. Oz., 20c.;  $\frac{1}{4}$  lb., 50c.; lb., \$2.00.

✓ **Stonemason Drumhead.** A late large heading variety, but not as fine grained as others. Oz., 20c.;  $\frac{1}{4}$  lb., 50c.; lb., \$2.00.

✓ **Marblehead Mammoth.** A large late variety of fairly good quality. Oz., 25c.

✓ **Large Late Drumhead.** A late variety of large size. Oz., 15c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.40.



PREMIUM FLAT DUTCH.

**PREMIUM FLAT DUTCH.**

This variety of late cabbage is a standard in all sections for winter use. Our selected stock is unsurpassed. It makes a large solid head which keeps long without bursting, and is adapted to a more varied climate than probably any other variety we grow.

Our stock of **Premium Flat Dutch** has given excellent satisfaction both north and south for many years, and its great popularity at home puts its merit beyond question. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.



DANISH BALL HEAD.

✓ **Leonard's Luxemburg.** This cabbage will retain its fine green color until late in the spring, and is often sold for new cabbage after being covered all winter. Fine looking, of good size and excellent quality. Oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.50.

✓ **Sure Head.** A fine variety for main crop. A good shipper and sure header. Oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

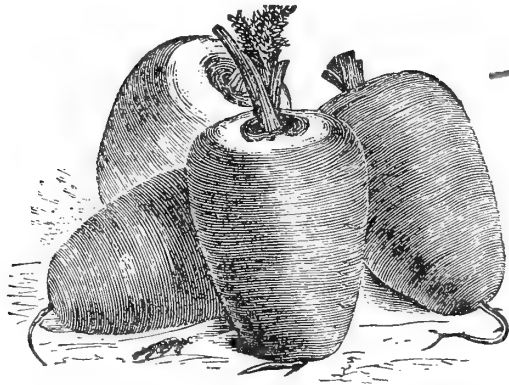
✓ **Holland.** The favorite winter cabbage with market gardeners. It is as hard as a rock, and a small head will weigh as much as a large head of any other variety. The leaves lap over and make a head in which there is no waste. Oz., 30c.;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.00. See page 3.

✓ **Leonard's Improved Bridgeport Drumhead.** This is a standard winter variety on the Chicago markets, and is used largely for shipping south. Makes a very large solid head which stands long without bursting. Oz., 25c.;  $\frac{1}{4}$  lb., 75c.; lb., \$3.00.

✓ **Danish Ball Head.** A good main crop variety; popular with many of the gardeners. Similar to our Holland, but not so uniform in heading. Oz., 20c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.50.

**SEE LEONARD'S HOLLAND CABBAGE, PAGE 3.**

## CARROTS.



GUERANDE OR OX HEART CARROT.

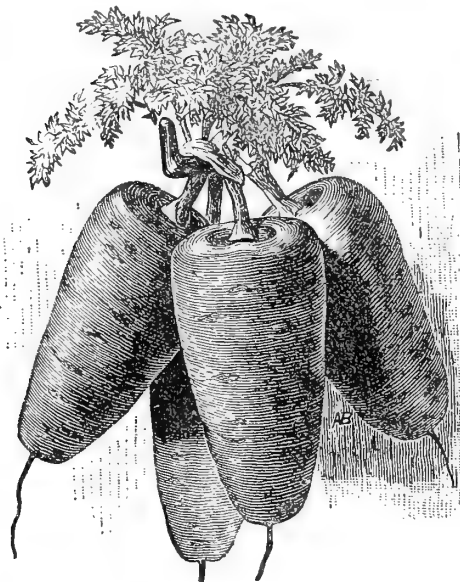
✓ **Early French Forcing.** The earliest variety. Valuable for forcing. Root is small and round. Quality is excellent. This sort is highly prized in France. Pkt., 5c.; oz., 10c.; lb., 75c.

✓ **Early Short Horn.** A fine early variety, good for home use. Eastern market gardeners use this sort for bunching. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 75c.

✓ **Guerande, or Ox Heart.** Tops small for the size of the roots, which are comparatively short, but often reach a diameter of 7 inches, terminating abruptly in a small tap root. Flesh, bright orange, fine grained and sweet. This is a desirable variety for soil so hard and stiff that longer growing sorts would not thrive in it. When young, excellent for table use, and when mature, equally good for stock. Pkt., 5c.; oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

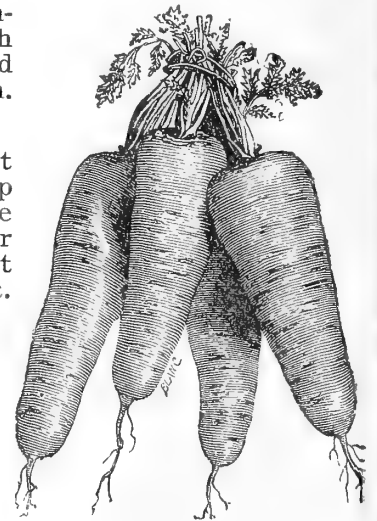
✓ **Half Long Scarlet Nantes. (Stump Rooted.)** Tops medium size; roots cylindrical, smooth, bright orange; flesh orange, becoming yellow in center, but with no distinct core; of the finest quality, and one of the most symmetrical and handsome of the medium sized sorts; excellent for the market or home garden. Pkt., 5c.; oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 20c.; lb., 70c.

✓ **Chantenay.** Tops medium size; necks small; roots tapering slightly but uniformly stump rooted and smooth; color, deep orange red; flesh very crisp and tender. Although this is a medium early sort, it furnishes roots of usable size as early as any, is a heavy cropper, and is undoubtedly one of the best for both the market and private garden, while its great productiveness makes it very desirable as a field sort. Pkt., 5c.; oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.



CHANTENAY CARROT.

✓ **Danvers.** Grown largely on account of its great productiveness and adaptability to all classes of soil. Tops medium sized, coarsely divided. The smooth and handsome roots are deep orange, of medium length, tapering uniformly to a blunt point; flesh sweet, crisp, tender and of a deep orange color. This is a popular field variety, and although the roots are shorter, they produce as large a bulk as the longer field sorts, and are more easily harvested. Pkt., 5c.; oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.



HALF LONG NANTES.

✓ **Improved Long Orange.** The most popular of the older sorts for farm use on mellow soil. An improvement obtained by years of careful selection of the best formed and deepest colored roots of the old Long Orange. Roots comparatively shorter than the Long Orange, and smoother, but so uniform and true that the bulk of the crop will be greater. Pkt., 5c.; oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

✓ **St. Valery.** A good late variety. It grows long, shape uniform, tapering from a wide shoulder to a point. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 15c.; lb., 60c.

✓ **Yellow Belgian.** A good field variety, similar to White Belgian in shape and size, but of orange color. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 15c.; lb., 50c.

✓ **Improved Short White.** We think this distinct variety is destined to take first rank as a field carrot, owing to its enormous productiveness and the ease with which it can be harvested. Roots, half long, smooth, very heavy at the shoulder, but tapering regularly to the point; color, light green at the crown, pure white below; flesh rich, white, solid, crisp and of excellent flavor. This variety is a real acquisition as a heavy yielding, easily harvested, white carrot, and is the best of this class. Pkt., 5c.; oz., 10c.; 2 oz., 10c.;  $\frac{1}{4}$  lb., 15c.; lb., 60c.

✓ **Large White Belgian.** Grows one-third out of the ground. Root, pure white, green above ground, with small top. Flesh rather coarse. The roots on light, rich ground grow to a large size, and are extensively grown for stock feeding. Pkt., 5c.; oz., 10c.; 2 oz., 10c.;  $\frac{1}{4}$  lb., 15c.; lb., 50c.



DANVERS CARROT.



**CELERY.**

✓ **Golden Self-Blanching.** The best self-blanching sort. It acquires a handsome golden color without having to be hilled up, which makes it a valuable market sort. Pkt., 5c.; oz., 40c.; lb., \$3.50.

✓ **White Plume.** A good self-blanching sort, good for fall use, but does not keep well. Pkt., 5c.; oz., 30c.; lb., \$2.50.

✓ **Giant Golden Heart.** This variety attains a large size, but still remains crisp and tender. It is a fine keeper and is the favorite on the Chicago market.

✓ **The Schumacher.** It is of immense size, very solid and crisp, with light green foliage and golden yellow solid heart. But its finest feature is that it will keep in splendid condition all through the winter and in the spring. We have no hesitation in heartily recommending it to all.

✓ **Crawford's Half Dwarf.** The favorite variety in eastern markets; a good keeper of vigorous growth.

✓ **Kalamazoo.** This is the variety used by the celebrated celery growers of Kalamazoo, Mich., and is of great merit.

✓ **Perfection Heartwell.** A finely flavored, good keeping sort, hardy and solid.

✓ **Early Arlington.** This is an improvement on the Boston Market; good and early.

✓ **Boston Market.** Short and bushy, making a solid bunch.

✓ **Evans' Triumph.** One of the best late sorts. Solid, crisp and fine nutty flavor. Can be kept as late as April or May.

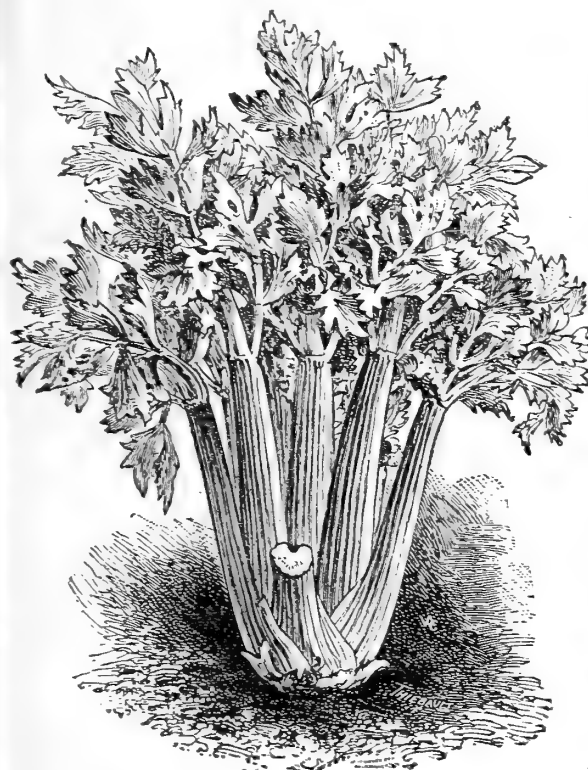
✓ **Seymour's White Solid.** A large sized, vigorous growing variety; stalks white, round, very crisp; perfectly solid and of superior flavor. Pkt., 5c.; oz., 15c.; 2 oz., 25c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.50.

✓ **Soup, or Cutting Celery.** This variety is adapted to sowing thick in rows and cutting when three or four inches high, to use for soup flavoring. It can be cut repeatedly and will furnish a succession throughout the season. Pkt., 5c.; oz., 10c.; 2 oz., 20c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

✓ **Rose Ribbed Paris Self-Blanching or Golden Rose.** This is a sport of the Golden Self-Blanching celery, and possesses all the good qualities for which that variety has become so famous. It has the same beautiful rich golden yellow color, is self-blanching to the same remarkable degree, and differs only in color of the ribs. These are a very attractive shade of rose, which deepens as the season advances. This ornamental feature gives the whole plant a most pleasing appearance, that cannot fail to make it of great value for market, while no celery could be of finer quality. Pkt., 5c.; oz., 30c.; lb., \$3.00.

✓ **Pink Plume.** Similar to White Plume, but having stalks suffused with pink.

✓ **Giant Pascal.** This is the best keeper of all the late sorts; very solid and crisp. This variety is unsurpassed for market garden.



GIANT PASCAL.

**GERMAN CELERY, OR CELERIAC.**

✓ **Large Smooth Prague.** Has a large smooth root, and is the finest of all celeriac.

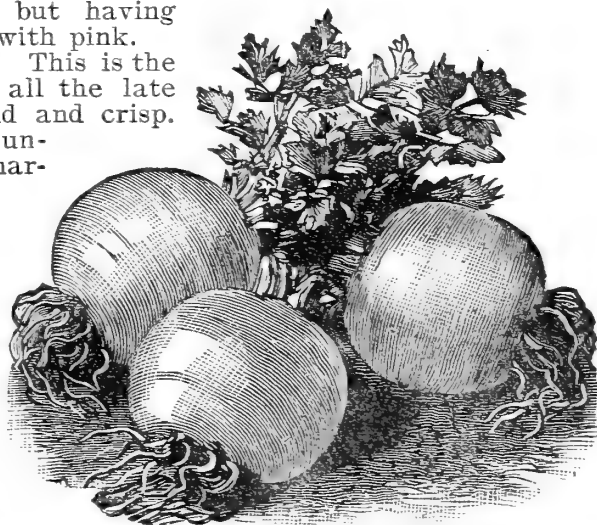
✓ **Apple Shaped.** Not as smooth as the above, but of good form. Pkt., 5c.; oz., 20c.; lb., \$1.50.

✓ **Turnip Rooted.** This is the ordinary and well known variety. Pkt., 5c.; oz., 20c.; lb., \$1.50.

**CELERY PLANTS.**

We are prepared to quote Celery Plants at the proper time.  
We arrange to have all the standard varieties.

**WRITE FOR PRICES.**



CELERIAC—LARGE SMOOTH PRAGUE.

**PRICES OF ANY VARIETY OF CELERY ON THIS PAGE, EXCEPT WHERE NOTED OTHERWISE, ARE:**  
PKT., 5c.; 1-2 OZ., 15c.; OZ., 25c.; 1-4 LB., 60c.; POST-PAID.

**CORN.****SWEET OR SUGAR.**

**Culture.**—A rich, warm, alluvial soil is best, but excellent sweet corn can be raised on any good, ordinary soil if it is deeply and thoroughly worked before planting. Give frequent and thorough but shallow cultivation until the tassels appear.

✓ **Mammoth White Cory.** The ears are twelve rowed, fully twice the size of the old Cory, white cobbled, and covered with very large white grains of good quality. No other sweet corn will find ready sale in a market which is supplied with Mammoth White Cory, and the gardener who wishes to get the cream of the trade should make his plantings of this splendid novelty.

✓ **Extra Early Adams.** This is an extra early field variety, but is much used as an early market variety, being sweet and juicy.

✓ **Early Minnesota.** One of the standard early sorts. Ready for market two weeks later than Cory or Chicago Market.

✓ **Perry's Hybrid.** An early variety of splendid quality. Kernels tinged with pink when ripe, with white cob.

✓ **New Champion.** This corn is unsurpassed for market use, owing to its large size and fine appearance. It is medium early, coming in at the same time as Perry's Hybrid. It is fourteen rowed and a splendid cropper. All should try it.

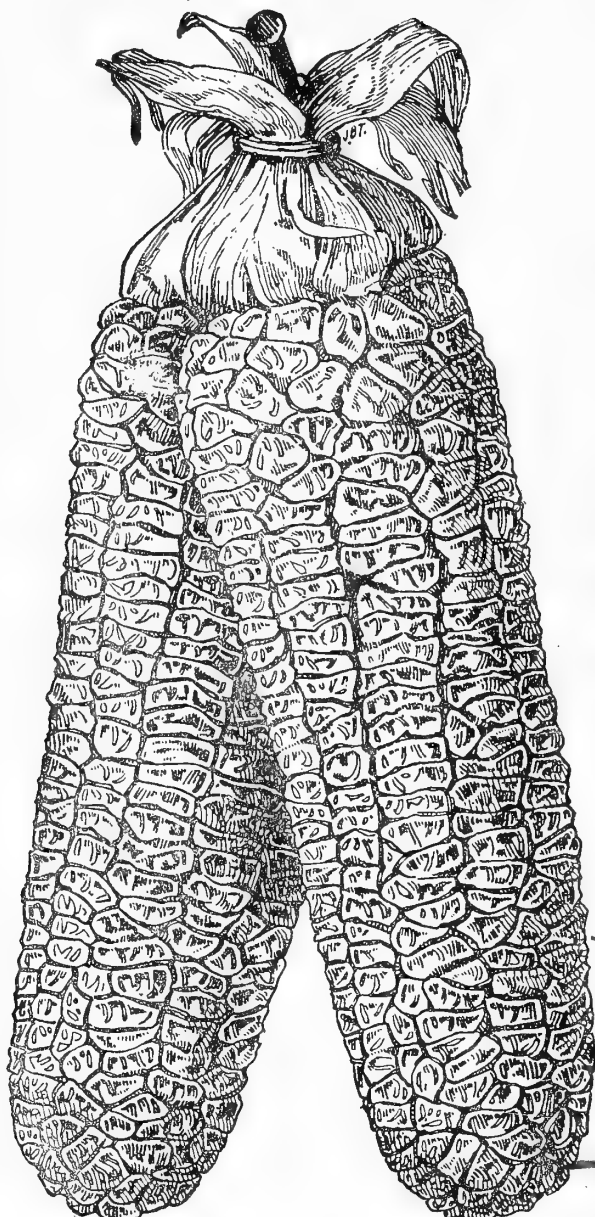
✓ **Crosby's Early.** An early corn of large size and choice quality. It has long been a standard variety.

✓ **Moore's Early Concord.** A well known early variety of large size, twelve rowed and of excellent quality. This makes a fine market corn.

✓ **Shaker's Early.** A splendid market sort, ready very soon after Early Minnesota, but the ears are much larger. The stalks bear usually two large ears, well filled out to the tips of the cob. The kernels are large, white and of delicious flavor.

✓ **Early Bonanza.** One of the best medium early sorts; has large, fine ears in great abundance, bearing two or three ears to the stalk. A very profitable corn to grow.

✓ **Pee-and-Kay.** Only a few days behind the earliest. It has an ear about the size of Evergreen. Kernels large, white and sweet; ears ten to twelve rowed, large and plump; stalks strong, prolific.



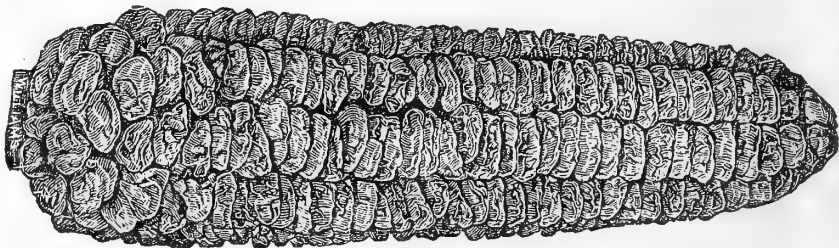
MAMMOTH WHITE CORY.

✓ **Extra Early Vermont.** Of superior quality, handsome ears, white cob and kernel. One of the best we have ever grown.

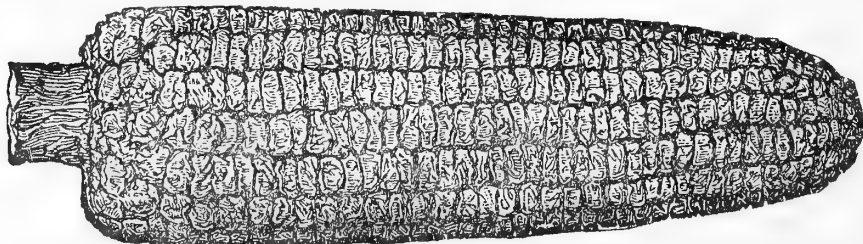
✓ **First-of-All.** A selection from the Cory, and claimed to be earlier. Reports of customers and comparative tests give it the lead by about one week. It is of good quality, being tender and sweet.

✓ **Early Cory.** This variety is the favorite for first early, and no other variety has proved earlier.

✓ **White Cob Cory.** This is an improvement over the Early Cory, as the cob is white, which gives it a finer appearance. It is as early as the Early Cory, and of excellent quality.



WHITE COB CORY.



CHICAGO MARKET OR BALLARD.

✓ **Chicago Market or Ballard.** This is the largest and best early corn in existence, twelve rowed, white cobbled and of exceedingly fine quality.

**For Peck and Bushel Prices  
See Bulk Price List.**

**PRICES OF ANY VARIETY OF SWEET CORN, UNLESS OTHERWISE NOTED, ARE:  
PKT., 5c.; 1-2 PT., 15c.; PT., 20c.; QT., 35c.; POST-PAID.**

## CORN. SWEET OR SUGAR.

✓ **Black Mexican.** This corn, when in condition for the table, cooks remarkably white; but the ripe grain is black or bluish-black. It is surpassed by none in tenderness. For family use it is considered by many the most desirable of the second early sorts. It does especially well for second early in the south.

✓ **Country Gentleman.** This is the finest of the medium early varieties. The rows are zigzag, with a long slender kernel of delicious flavor. This corn is bound to sell when properly known, as its quality is the best of all.

— **Kendall's Early Giant.** A valuable new early sweet corn. The ears grow to a tremendous size, measuring eight to ten inches long, and having ten to eighteen rows on each cob, the majority having twelve rows; kernels pure white; sweet, tender.

✓ **Zigzag Evergreen.** This fine new strain possesses the distinct characteristics which have made Stowell's Evergreen so deservedly the favorite for main crop, but produces ears fit to use from one week to ten days earlier. The stalks are not so tall and rather more slender in growth, each bearing one or two good, large ears. While about one-third smaller, the ears are of typical Stowell's type and of the same fine quality; they measure seven inches in length, rather thick, with twelve or more rows of handsome large grains. It fills the period of maturity between Crosby's Early and the regular Stowell's Evergreen.

✓ **Old Colony.** This variety is two weeks earlier than the Evergreen, and almost as large. It is considered the best and sweetest by canning factories. A fine paying variety for market.

— **Hickox Hybrid.** Earlier than Stowell's Evergreen, and makes a large, attractive ear of very white and handsome grain. It is one of the best varieties for canners' use. By planting it at the same time as Stowell's Evergreen the season will be lengthened considerably, as the Hickox will be about through by the time Stowell's Evergreen comes in; very prolific, ordinarily every stalk will have two large, fully developed ears. The best sort for drying.

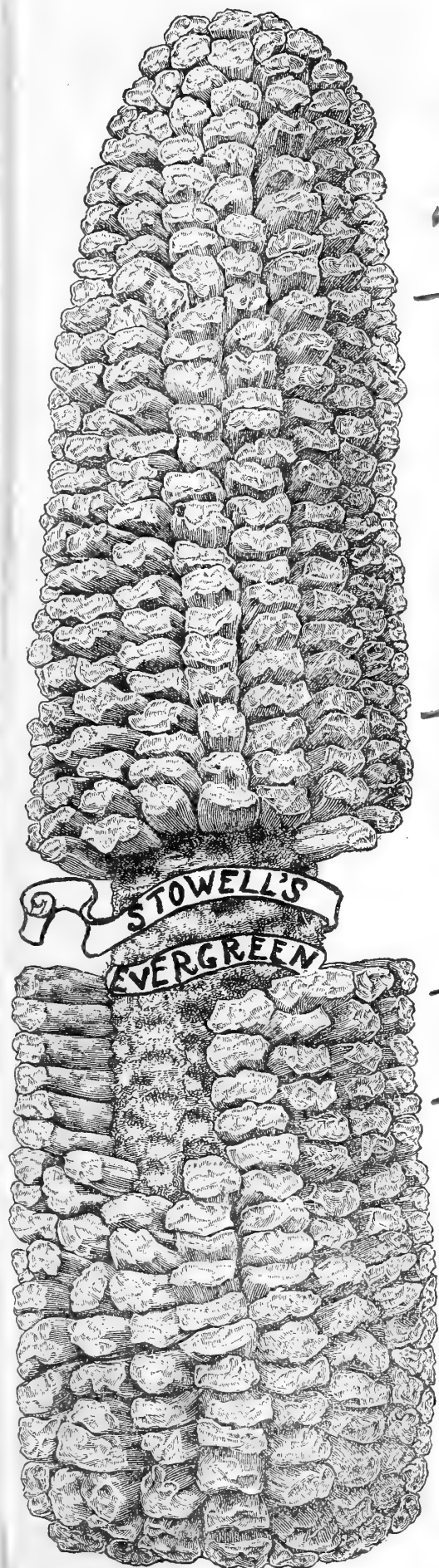
✓ **Egyptian Sweet.** One of the best late varieties, and certainly the handsomest of all the late sorts. Ears large, none more uniform, and excels all in filling out perfectly at the tip end; cob and grain white. Very productive, and used extensively for market and canning.

— **Livingston's Evergreen, White Cob.** This variety is of the same type as the old Red Cob Evergreen, which has been a favorite for so many years. It is fully up to the old Standard Red Cob, and will be found very valuable. The objection to the red cob is removed in this improved type.

— **Early Evergreen.** It will furnish ears fit for use much earlier than Stowell's Evergreen. The ears are like the Evergreen, very large, with about eighteen, more or less, irregular rows and a very long grain which is of the very best quality. It remains in condition for use longer than other sorts, exceeding the Stowell's in this respect. The plant and ear would be pronounced by observers to be a fine stock of the old variety, though fit for use one to two weeks earlier.

### ✓ STOWELL'S EVERGREEN.

This standard main crop variety excels all other late sorts in sweetness and productiveness. It is more popular than any other for canning, for marketing and for the home garden. Great care has to be exercised in the selection of stock to grow seed from, as this variety has a tendency to deterioration and a shorter grain, which makes it less sugary and desirable. To avoid dissatisfaction, all planters should seek seed which has been especially selected, and not buy anything that may be offered as Evergreen, at low figures. We have a large and growing trade among canners and market gardeners who must have a genuine Stowell's Evergreen, and our stock is known far and wide as the safest seed for all purposes. There has been in the past few years a tendency in the seed trade to disregard

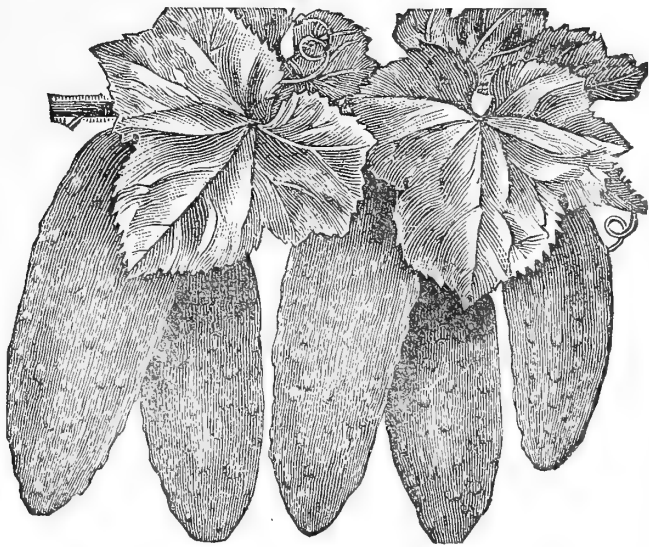


quality for the sake of low price, and this makes it necessary for seedsmen who give care to the selection of their stocks, to call especial notice to the fact.

**PRICES OF ALL VARIETIES OF SWEET CORN ON THIS PAGE, EXCEPT WHERE NOTED OTHERWISE, ARE:**

**PKT., 5c.; 1-2 PT., 15c.; PT., 20c.; QT., 35c.; POST-PAID.**





CHICAGO PICKLING.

## CUCUMBER.

— **Chicago or Westerfield Pickling.** A variety much esteemed above all others by Chicago market gardeners, and grown extensively for the large pickling establishments in this vicinity. Fruit medium length, pointed at each end, with large and prominent spines; color a deep green. It combines all the good qualities of an early cucumber.

✓ **West India Gherkin.** A very small, oval prickly sort, distinct from all others. It is grown for pickles only. It is the smallest of all the cucumbers, and should be pickled when young. Pkt., 5c.; oz., 15c.

✓ **Early Russian.** Earliest and hardiest small cucumber in cultivation, being only three to four inches long; thick and oval in shape, and produced in pairs. Solid, with few seeds.

✓ **Early Cluster.** Vines vigorous, producing the bulk of the crop near the root and in clusters. Fruit short, uniformly thick end, dark green, but paler at blossom end. A very productive sort.

✓ **Green Prolific or Boston Pickling.** A distinct variety. A favorite with pickle growers and commercial gardeners, and good for table use. Quite productive. Fruit small, uniform in size.

✓ **Nichol's Medium Green.** A valuable and handsome variety, in shape between White Spine and Long Green. An excellent sort for pickles and useful for forcing. Very prolific. Fruit straight and smooth; color dark green; flesh tender and crisp.

✓ **Early Frame or Short Green.** An excellent sort both for table use and for pickling. Fruit straight, handsome, smaller at each end, bright green; flesh tender and crisp, and makes fine pickles.

✓ **Jersey Pickle.** Sixty days to make pickles. It is productive, and is said to "green" better than any other variety, and to "hold color." Over one hundred and fifty thousand bushels of small fruit of this variety are picked annually in Burlington County, New Jersey. No other sort is used, no other kind of seed could be given away. Early spring sowings will develop fruit of pickling size, two to three inches long, in sixty days. Early summer sowings in thirty days.

✓ **Thorburn's Everbearing.** Small size, very early and enormously productive, and valuable as a green pickler. It continues to flower and produce fruit until killed by frost, whether the cucumbers are picked off or not. Remarkably solid, with very few seeds, and of very fine quality, both for slicing and pickling. Invariably of perfect form, even when very small.

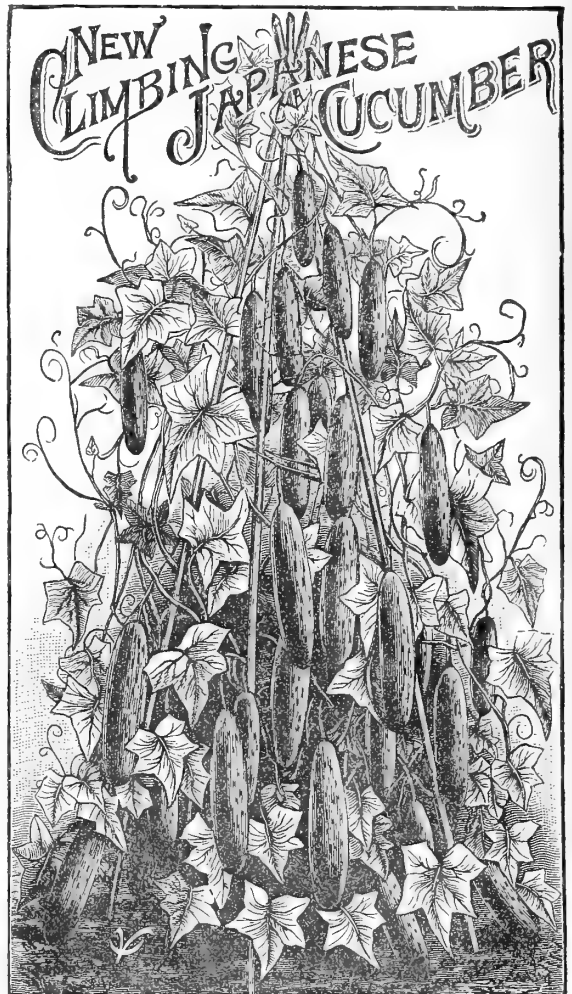
✓ **Japanese Climbing.** While all cucumbers are running vines, yet this variety is much more creeping, or climbing in its habit, so much so that it quickly climbs on poles or trellises in the same manner as the Pole Lima bean. It is entirely distinct. The quality is splendid. It is well adapted for pickling, as well as for slicing for salads. The great advantage of having a cucumber which can be trained on a pole or a fence will be apparent to all.

✓ **Improved Long Green.** Not so abundant a bearer as the preceding sorts, though recommended to all who put up their own pickles; fruit long and slim; not surpassed in quality by any variety. This is not the ordinary Long Green, but a much superior sort, being twice as long and of better proportion.

✓ **Parisian Prolific Pickling.** A slim and slender pickle, from three to five inches long, covered with black, hairy spines. The fruits are of the deepest green, which, combined with its brittle crispness, renders it an ideal pickle. When in the pickling stage the cucumbers show no sign of seed.

✓ **Livingston's Evergreen Pickle.** An extra early cucumber of very strong growth. Very good for pickling or for the table.

✓ **Bismarck.** Fruit long, pointed at each end, very constant in form and color; flesh crisp and tender; excellent either for pickles or slicing. The stock we offer is a great improvement over that usually sold either as Bismarck or Tailby Hybrid, being much better and more uniform in shape, without the distinct neck which was a fault of the old stock. It can be depended upon to produce very symmetrical, handsome, dark green fruits which will hold their color better than those of any other kind. This is one of the best sorts for growing under glass.

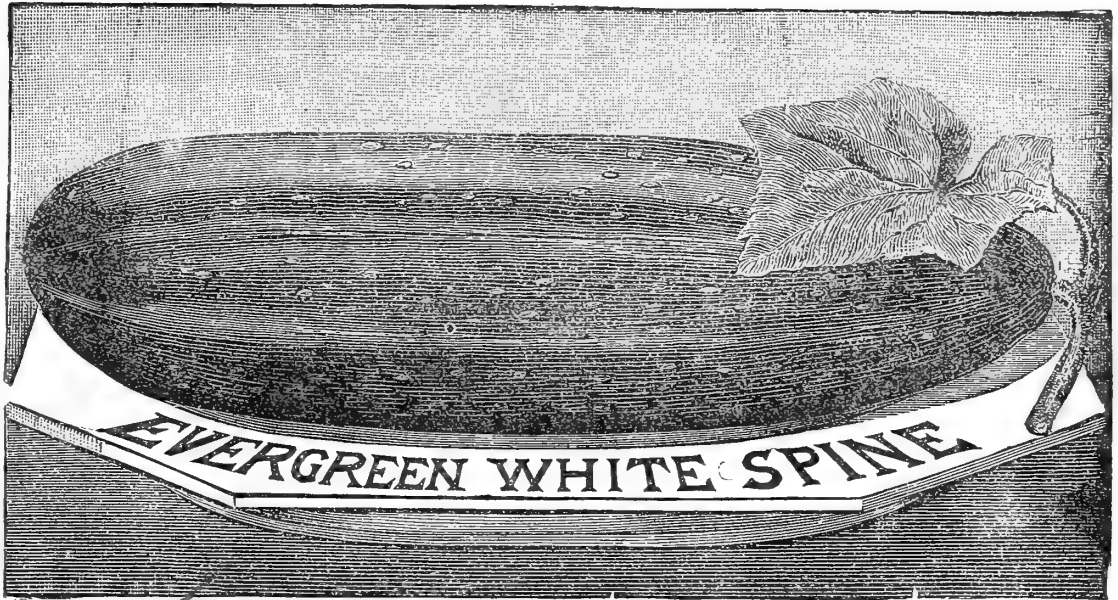


**PRICES OF CUCUMBERS ON THIS AND THE FOLLOWING PAGE, EXCEPT WHERE NOTED OTHERWISE, ARE: PKT., 3c.; 1-2 OZ., 5c.; OZ., 10c.; 1-4 LB., 20c.; LB., 75c.; POST-PAID.**

## CUCUMBER.

### ✓ EVERGREEN WHITE SPINE.

Is the most profitable cucumber for the market gardener. Best for the greenhouse, hot bed or for outdoor culture. The earliest and most productive variety. Long, straight, and of rich, deep green color throughout. Brings more money per dozen on the street than any other variety. Our strain is constantly being improved and remains in a green, fresh looking state longer than any other cucumber.



✓ **Giant Pera.** An exceedingly large growing sort, of excellent quality for slicing. Shape long, thick and smooth, having no spines. Pkt., 5c.; oz., 15c.

✓ **Snake or Serpent.** Valuable as a curiosity. Good for display at fairs. For eating, the quality is not up to the standard. Pkt., 5c.

✓ **Astro.** A novelty of the highest merit, and one which has greatly pleased our market garden customers, some claiming that they made more money from a crop of these grown early in the hot beds than from any other crop, as they sell quickly at \$1 per dozen. They do excellently well under glass, yielding a continual daily picking of large, perfect shaped fruits eight to twelve inches long, almost solid throughout. Excellent for slicing, solid and crisp. With common outdoor culture in the summer it produces large cucumbers fifteen to eighteen inches in length, with very few seeds. Seed will always be expensive, as it produces only eight to twelve pounds per acre. In packets only. Pkt., 10c.; three for 25c.

✓ **Early White Spine.** One of the best sorts for table use. Vines vigorous, fruiting early and abundantly; fruit uniformly straight and handsome, dark green, with a few white spines; flesh tender and of excellent flavor. In this country this variety is used more, perhaps, than any other for forcing under glass.

✓ **Arlington.** A selection from the White Spine, being more pointed at each end. The young fruits are unusually crisp and tender, and are of very dark green color, so that the variety is considered by many to be the best for small pickles.

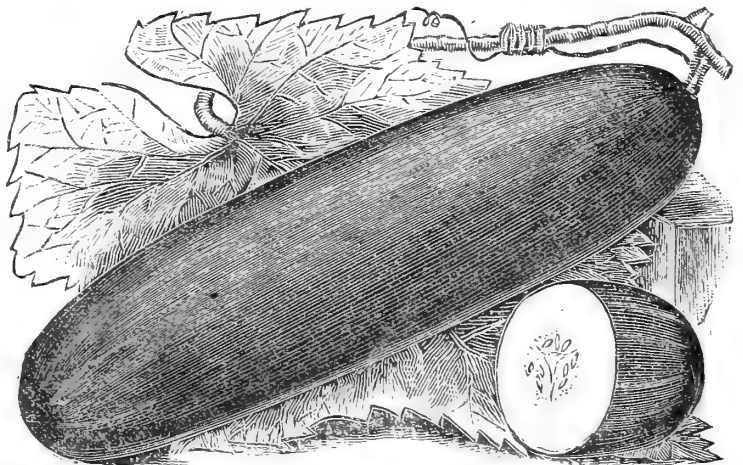
✓ **Cool and Crisp.** A strain of White Spine somewhat like the Arlington, but larger and less symmetrical. The flesh is peculiarly crisp and tender, and it is one of the very best for table use.

✓ **Albino.** The best white skinned sort. Introduced by us in 1894. The fruit is above medium size, symmetrical, with few large spines. The flesh is clear white, very crisp, tender and good flavored. An excellent sort for the home garden.

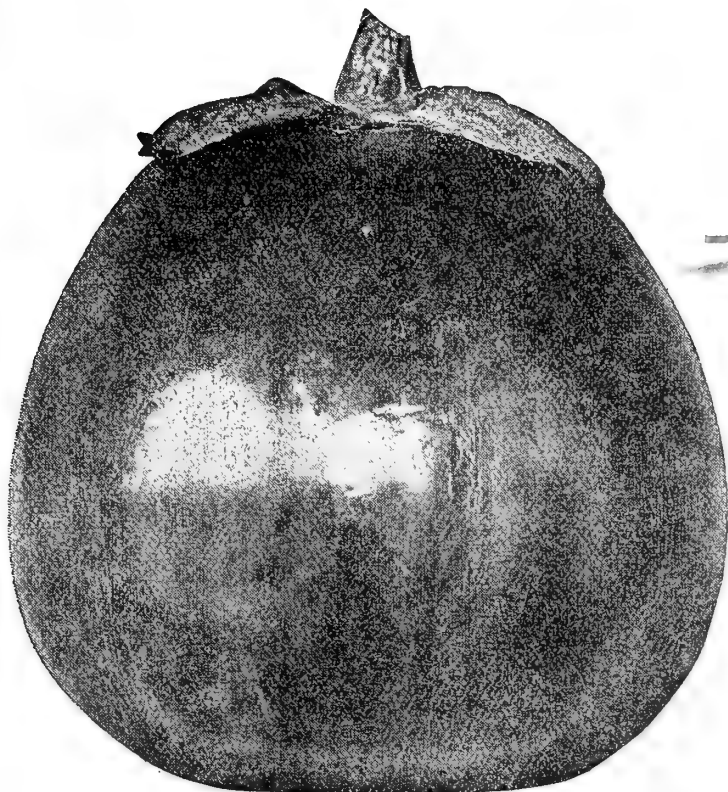
✓ **The Emerald** retains every good point in the best strains of White Spine, and in addition, possesses that rich dark green color which has so long been sought for, but never before obtained. It is strictly an evergreen, retaining its color until fully ripe. On sight its distinct dark green and spineless skin attracts the at-

GIANT PERA.

tention and admiration of every one interested. Its fruit sets early, and its vigorous vines abound in long, straight, handsome fruits of most desirable qualities. The flesh being peculiarly crisp and tender, and the flavor delicate, highly recommend it as a slicer. The young fruit being dark green, straight and tender, makes an excellent pickle, and when ripe none excel it for making sweet pickles.



THE EMERALD CUCUMBER.



IMPROVED NEW YORK SPINELESS EGG PLANT.

## ENDIVE.

One of the most refreshing and attractive of all autumn and winter salads. Sow seed from the middle of June until the end of August.

GER., *Endivien*. FR., *Chicoree*. SP., *Endivia*.

**Green Curled.** Beautifully curled, tender and crisp. Per pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.

**Moss Curled.** More finely curled, and a heavier and more dense plant than Green Curled. Per pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.50.

**White Curled.** Very tender when cut young; blanches readily. Per pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.

**Broad-Leaved Batavian.** (Escarrole.) This variety is chiefly used in soups and stews; requires to be tied up in blanching. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.

## CARLIC.

A bulbous rooted plant, with a strong, penetrating odor, but much esteemed by some for flavoring soups, stews, etc. We frequently receive orders for garlic seed, but we can only supply bulbs. Prepare the ground the same as for onions, and plant the bulbs in drills eight inches apart, and four inches apart in the rows, and cover two inches deep. When the leaves turn yellow, take up the bulbs and dry in the shade, and lay them up in a dry loft, as you would onions. Lb., 40c.



GARLIC.

## DANDELION.

The dandelion is a hardy perennial plant, resembling endive, and affords one of the earliest and most healthful spring greens or salads. Sow early in spring in drills 12 inches apart, and thin out to 6 inches in the drills; the following spring it will be fit for use.

**Broad Leaved.** Pkt., 10c.; oz., 40c.

**Improved Thick Leaved.** An improved thick-leaved variety. Pkt., 10c.; oz., 40c.

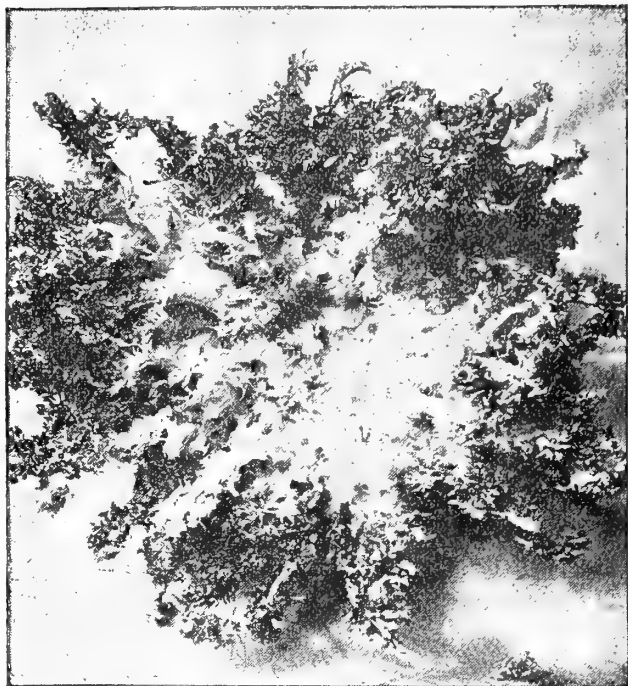
## ECC PLANT.

**Leonard's Improved New York Purple Spineless.** Very large and smooth, fine dark color. Ours is the spineless plant, most preferred by our market gardeners, both east and west. We have made the most careful selection possible of our stock plants, and know it to be unsurpassed for the market. Pkt., 5c.; oz., 40c.;  $\frac{1}{4}$  lb. \$1.25.

**Black Pekin.** A fine variety, bearing large, round, deep purple fruits, fine grained, and of superior quality. Pkt., 5c.; oz., 30c.;  $\frac{1}{4}$  lb., \$1.

**Early Long Purple.** Early, hardy and productive; excellent for the table. Pkt., 5c.; oz., 30c.

**The Pearl.** A new white variety. Pkt., 5c.; oz., 50c.



GREEN CURLED ENDIVE.

## HORSE RADISH.

Horse radish produces no seed, but is grown from pieces of the roots. Culture—mark off rows two and one-half feet apart in rich, moist, well prepared ground, and set the pieces of roots eighteen inches apart in the rows, vertically, the small end down, and the top one to three inches below the surface. Cultivate thoroughly until the tops cover the ground, when their shade will keep down the weeds.

Roots, per dozen, 20c., postpaid.

Roots, per 1,000, \$5.50.



HORSE RADISH.



# AROMATIC, MEDICINAL AND POT HERBS.

## GENERAL CULTURAL DIRECTIONS.

Most of the varieties thrive best on rich, sandy soil, which should be carefully prepared and well cultivated, as the young plants are for the most part delicate and easily choked out by weeds. Sow as early as the ground can be made ready, in drills sixteen to eighteen inches apart, taking pains that the soil is fine and pressed firmly over the seed; or they may be planted as a second crop—the seeds sown in beds in April, and the plants set out in June. Most of them should be cut when in bloom, wilted in the sun and thoroughly dried in the shade.

	PKT.	OZ.	LB.
Annis .....	5c.	\$0.15	
Balm .....	5c.	.25	
Basil .....	5c.	.10	
Borage .....	5c.	.10	
Caraway .....	5c.	.05	
Coriander .....	5c.	.05	
Dill .....	5c.	.10	\$1.00
Fennel .....	5c.	.50	
Horehound .....	5c.	.25	

	PKT.	OZ.	LB.
Hyssop .....	5c.	\$0.25	
Lavender .....	5c.	.15	
Sweet Marjoram .....	5c.	.15	\$1.50
Rosemary .....	5c.	.40	
Rue .....	5c.	.25	
Sage—Broad Leaf .....	5c.	.20	2.00
Saffron .....	5c.	.15	
Savory, Summer .....	5c.	.25	
Thyme .....	5c.	.20	



KOHL-RABI.

## KOHL-RABI

*Kohl-Rabi*, GER.

*Chou Rave*, FR.

*Col de Nabo ó Nabicol*, SP.

One ounce of seed will sow a drill of about one hundred and fifty feet.

**Earliest Erfurt.** A white, tender variety, with a smooth root and very short top; the best variety for outdoor culture. Pkt., 10c.; oz., 35c.;  $\frac{1}{4}$  lb., \$1.00.

**Early Short Leaved White Vienna.** The finest for market. Flesh white and tender. Oz., 20c.;  $\frac{1}{4}$  lb., 75c.

**Early Purple Vienna.** Bluish purple; similar to the above, except in color. Pkt., 5c.; oz., 15c.

**Large Green.** Hardy, quite late, and used for feeding stock. Bulbs large, weighing eight to ten pounds, whitish green in color; leaves large and numerous. Oz., 20c.;  $\frac{1}{4}$  lb., 60c.; lb., \$1.75.

## KALE, OR BORECOLE.

One ounce of seed will sow a drill of about two hundred feet.

**Dwarf Green Curled German.** Leaves yellowish green, very compact and beautifully curled; sow in September for winter and early spring use. Pkt., 3c.;  $\frac{1}{2}$  oz., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., \$1.

**Dwarf Curled Scotch.** Leaves bright green, curled, very tender and fine flavored; an excellent sort for private gardens. Oz., 10c.

**Siberian Kale, or Winter Sprouts.** This is also called German Green, and is sometimes sold for Dwarf Green Curled Kale. It is not as curly as the Dwarf Curled Kale and is different from it in color. The leaves are smooth in the center, having a fringed edge. Color has a bluish tinge, not the deep green of the Dwarf Curled Kale. Pkt., 5c.; oz., 10c.; lb., 60c.

**Sea Kale.** A delicious vegetable, grown for its blanched shoots, which are cooked like asparagus. Sow in the spring and plant out like cabbage. During the summer the plant will make a slender growth. The plant being perennial, young shoots appear the second spring, and these are covered with earth to blanch, or with a flower pot; and if it is desired to force them, cover the pot and earth around with fresh manure. Pkt., 10c.; oz., 25c.

## LEEK.

**Large American Flag.** Large, hardy and of excellent quality. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 35c.; lb., \$1.50.

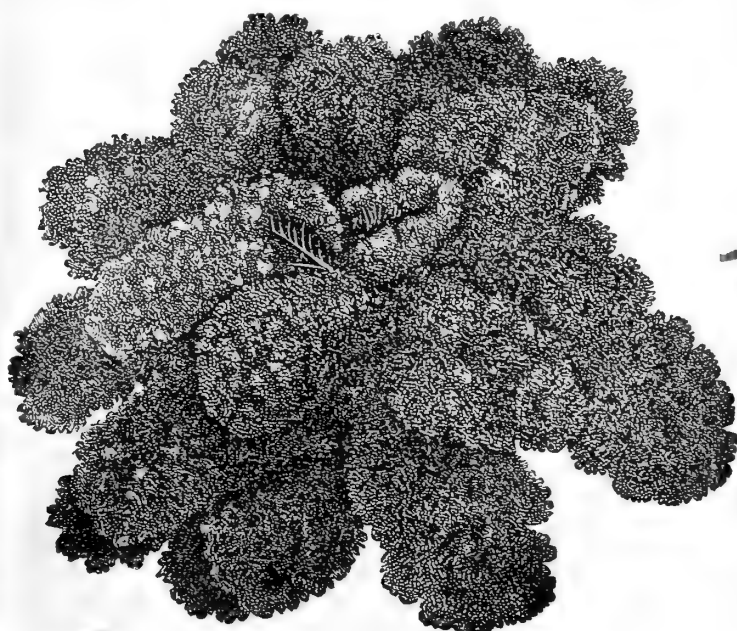
**Giant Carentan.** The favorite market variety, large thick stem, of mild flavor and attractive appearance. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 35c.; lb., \$1.50.

**Musselburgh.** Grows to a very large size, with broad leaves, spreading like a fan; hardy, of excellent quality. Pkt., 5c.; oz., 15c.

**London Flag.** An old and popular sort: one of the hardiest and best for winter use. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 35c.; lb., \$1.50.

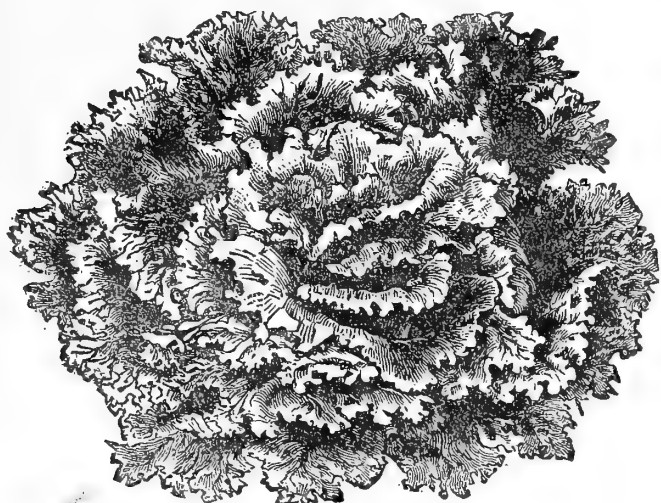


LEEK—MUSSELBURGH.



DWARF CURLED SCOTCH KALE.

## LETTUCE.



BLACK SEEDED SIMPSON LETTUCE.

✓ **St. Louis Head.** The most popular and satisfactory head lettuce with the Chicago market gardeners. It forms a fine head, is tender and crisp, and is very slow to run to seed. Outer leaves are light green, and the inner ones are bright, creamy yellow, of a very fine flavor. Altogether, we recommend it as being the best head lettuce for general use.

✓ **The Morse.** A careful selection from the Black Seeded Simpson. Leaves are wrinkled and of a beautiful green color. For growing under glass it is a very desirable sort. Leaves are large and tender.

✓ **Tilton's White Star.** A good early lettuce, rapidly becoming popular with market gardeners for sowing under glass.

✓ **Silver Ball.** A good hard heading variety, and withstands the summer heat well.

✓ **Mammoth Black Seeded Butter.** Resembles the old Black Seeded Butter very closely, but is much larger, forming an enormous head, every part of which is tender, crisp and sweet. It is a good sort for all seasons.

✓ **Iceberg.** A beautiful lettuce. Large, curly leaves of bright, light green, with a very slight reddish tinge at the edges. The unusual solidity of the heads is insured by the large, white main ribs of the leaves, each of which curves strongly to the center, making it impossible for the leaves to open outward and expose the center, which is constantly thoroughly blanched.

✓ **Salamander.** This will stand the summer heat better than any other variety. Fine improved strain.

✓ **All the Year.** A good sort for early or late planting, and withstands the summer heat well.

✓ **Brown Dutch.** This variety is a good seller. Makes a round head tinged with red.

✓ **Early Tennis Ball, White Seed.** A good early sort, and used largely by eastern gardeners for forcing.

✓ **Early Tennis Ball, Black Seed.** A good lettuce for early use. The heads are small, but are very crisp and solid.

✓ **Early Curled Silesia.** A very early tender sort, with fine curled leaves.

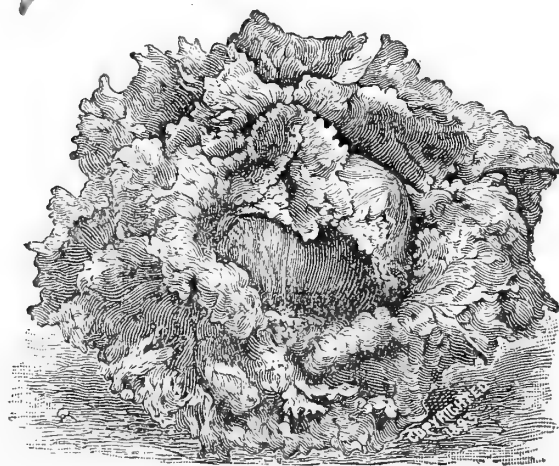
✓ **Boston Curled.** Curled leaves of good quality, a popular variety among eastern growers.

✓ **Defiance.** Of a light green color, with the outer edge of the leaf slightly curled. Makes a large head.

✓ **Hubbard Market.** A large heading variety, good for either forcing or sowing in open ground.



ST. LOUIS HEAD.



ICEBERG LETTUCE.

**PRICES OF ALL VARIETIES OF LETTUCE ON THIS PAGE, EXCEPT WHERE NOTED OTHERWISE, ARE: PKT., 3c.; 1-2 OZ., 5c.; OZ., 10c.; 1-4 LB., 30c.; LB., \$1.00; POST-PAID.**

## LETTUCE.

✓ **The Deacon.** A magnificent butter head lettuce. It stands the hot weather without becoming bitter or running to seed, and bears fine, large heads of superb quality. Light green outside, and, within, a beautiful cream yellow of delicious, rich, buttery flavor. Highly recommended for home or market use.

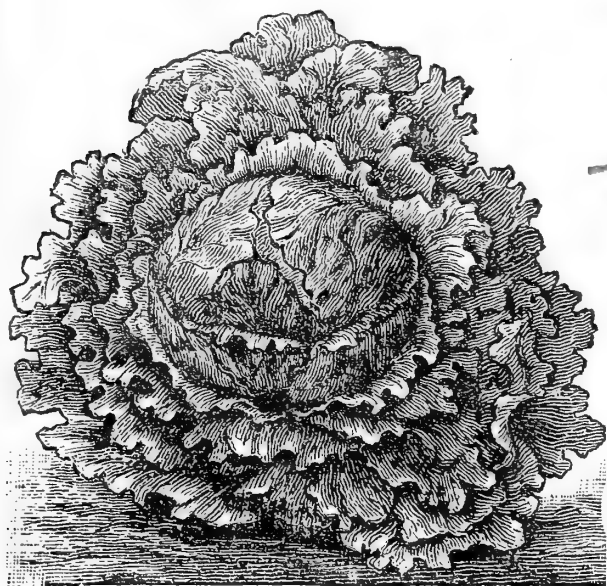
✓ **Prize Head.** A good header. Solid and large.

✓ **California Cream Butter.** A grand, good butter lettuce. The heads are of good size, round and solid; outside, medium green; within, the leaves are a rich cream yellow color. Rich and buttery in taste.

✓ **Wonderful.** Introduced four years ago and continually growing in favor. The large, white heads resemble cabbage in their solidity, and frequently weigh two and three pounds each. The quality is superb, being crisp, rich and tender. It withstands the heat well, making a fine variety for all seasons.

✓ **Buttercup.** A head lettuce of fine quality. Inside of head is waxy, crisp and delicious.

✓ **New York.** Is of unusual size and solidity of head, with but little tendency to run to seed. We have had it, time and again, eighteen inches in diameter, and weighing nearly four pounds, with heads almost as solid as an Early Summer cabbage, which in general form it somewhat resembles. The variety blanches itself naturally, is crisp, tender and of excellent flavor.



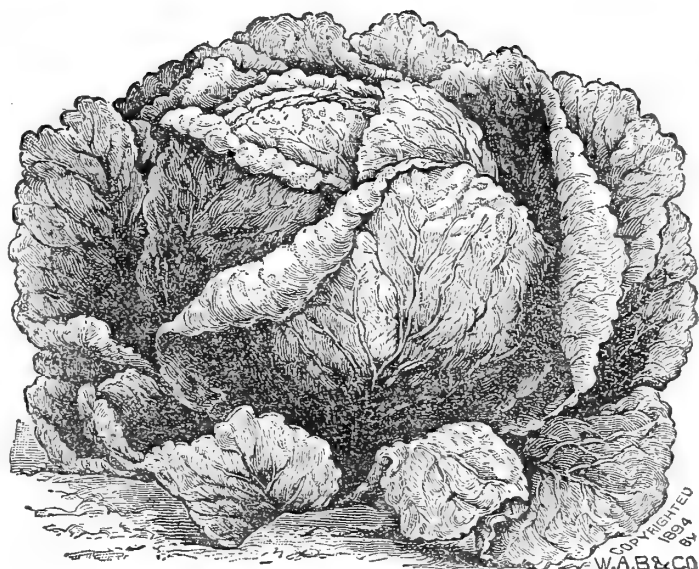
CHARTIER HEAD LETTUCE.

✓ **Yellow Seeded Butter.** This withstands summer heat well, and remains in head long before running to seed. It is a very distinct sort, making a large, dense yellow head, very crisp and tender, and excellent in flavor. Its beautiful yellow heart gives it a very handsome appearance.

✓ **All Seasons.** One of the best all head lettuces, standing the hot sun better than any other sort. Handsome; enormous size; color, light green.

✓ **Denver Market.** This is a fine crisp, crimped head variety. It has a slight tinge of red at the edges of the leaves. The ribs are a waxy white, being tender and free from bitterness.

✓ **Paris White Cos.** The Cos lettuce differs entirely in shape from the other varieties, the head being elongated and of conical form, eight or nine inches in height, and five or six inches in diameter. The outer coloring of this variety is yellowish green. To be had in perfection it requires to be tied up to insure blanching. Millions of this variety are annually grown to supply the markets of London alone.



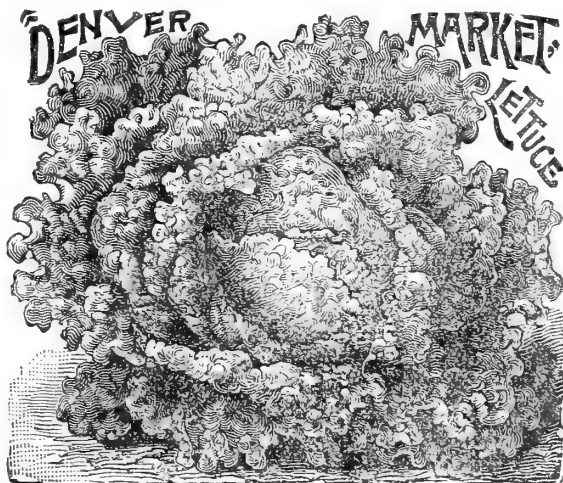
WONDERFUL LETTUCE.

✓ **Chartier.** It makes a very large, firm head, almost as hard as a cabbage, is very tender and crisp, and has a peculiar, fine flavor. It is of a beautiful green color, and the outer edges of the leaves are tinged with brown. It withstands the summer heat well, and is slow to run to seed.

✓ **Big Boston.** This variety is identical in color, shape and general appearance with the famous Boston Market lettuce, but is double the size. It is about one week later in maturing, but its solidity and greater size of head will make it a most valuable sort. A most desirable variety, either for forcing in cold frames or open ground planting. The Big Boston is sure to be wanted by market gardeners and trucksters, because it always produces large, solid, salable heads, and will commend itself to amateurs because it heads up well at all seasons of the year, and is of crisp, tender quality. Pkt., 5c.; oz., 10c.; 1/4 lb., 40c.; lb., \$1.50.

✓ **Hanson.** Heads very large, from two to three pounds each; hearts quickly and stands the summer well; quality excellent.

✓ **Oak Leaved.** A very superior new variety, both in quality and appearance; leaves light green, oak shaped, slightly curled, set close, having no coarse stems, of fine flavor and extreme tenderness.



DENVER MARKET LETTUCE.

**PRICES OF ALL VARIETIES OF LETTUCE ON THIS PAGE, EXCEPT WHERE OTHERWISE NOTED, ARE: PKT., 3c.; 1-2 OZ., 5c.; OZ., 10c.; 1-4 LB., 30c.; LB., \$1.00; POST-PAID.**



**MUSK MELON.**

**Rocky Ford.** This new musk melon is similar to the oval strain of Netted Gem. The strain here offered originated with the melon growers in the vicinity of Rocky Ford, Colorado, who have shipped this melon from that distant western point to eastern markets. The melons grown by them are so fine in quality as to outsell all others, and the demand for such melons has been far beyond the supply.

✓ **Skillman's Netted.** An excellent early melon with fine, tender flesh.

✓ **Netted Gem.** The best early melon known. Shipped to every market of note, in great quantities, every year. Medium size, but of excellent flavor.

✓ **Jenny Lind.** A good early melon.

✓ **Green Fleshed Osage.** Quality of the best, flesh a beautiful pea green; also a good shipper.

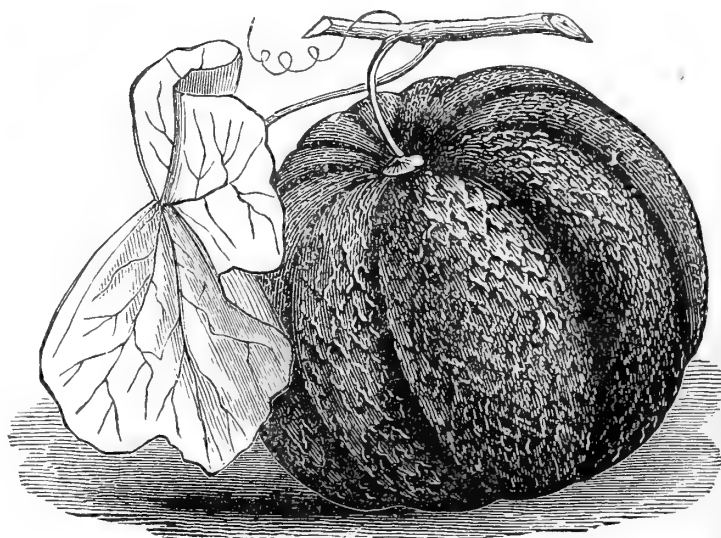
✓ **Early Hackensack.** A green fleshed nutmeg, of excellent form. A very early and splendid melon.

✓ **Hackensack.** A large, deeply netted melon, flattened at the ends, of most delicate flavor, and very productive.

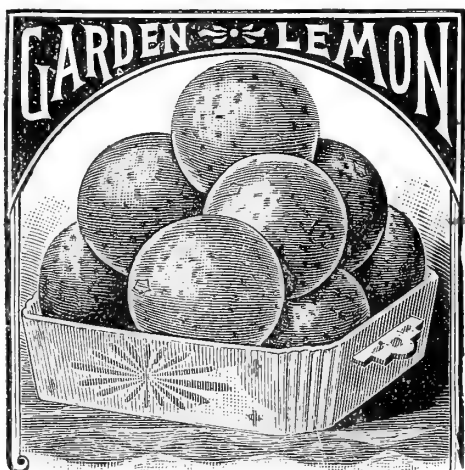
✓ **Champion Market.** Shape almost round, deeply ribbed; skin heavily netted; flesh light green, rich, and sweet. Very productive, and nearly as early as the Netted Gem. An excellent shipping variety.

✓ **Chicago Market.** Fruit large, round or slightly oval with very shallow depressions and covered with dense netting. Flesh green, medium texture, very thick and sweet. The variety is an improvement on Montreal and will suit those who like a large, sweet, green fleshed sort.

✓ **Garden Lemon.** An excellent fruit for preserving. Is shaped as shown in cut. Has a decided acid flavor. Pkt., 5c.; oz., 15c.



CHICAGO MARKET NUTMEG.



value, and likely to become a standard sort. It is stated that with ordinary cultivation this variety has produced melons weighing ten to fifteen lbs.

✓ **Vine Peach.** Very similar to Garden Lemon, and used for preserving. Pkt., 5c.; oz., 15c.

✓ **Acme or Baltimore.** A very productive, oblong musk melon, that is quite popular in the Baltimore markets.

**OTHER STANDARD MUSK MELONS.**

✓ **Rose Gem.**

✓ **Jersey Belle.**

✓ **Long Island Beauty.**

✓ **Early Netted Citron.**

✓ **Cosmopolitan.**

✓ **Casaba.**

✓ **Triumph.**

✓ **Shumway's Giant.**

✓ **Early Nutmeg.**

✓ **Montreal Market.**

✓ **Pine Apple.**

✓ **Extra Early Giant Prolific.**

✓ **Thorburn's Giant.**

✓ **Extra Early Nutmeg.**

✓ **Improved Cantaloupe.**

✓ **Grand Rapids Market.**

✓ **White Japan.**

✓ **Melrose.** A fine new melon, having splendid keeping qualities and with flesh of extra choice quality.

✓ **Columbus.** A very fine melon. Almost a perfect ball, with a thickly netted skin, giving it a very handsome appearance.

✓ **Bay View.** A large, prolific and fine flavored, green fleshed melon of recent introduction, and from all reports, of great



**EXCEPT WHERE NOTED OTHERWISE, PRICES OF ALL MUSK MELONS ARE: PKT., 3c.; 1-2 OZ., 5c.; OZ., 10c.; 1-4 LB., 20c; LB., 60c.; POST-PAID.**

## MUSK MELON.

### PAUL ROSE MELON.

This new musk melon is a cross between the Netted Gem and the Osage, which two are probably the most valuable melons in cultivation.

In a letter dated Nov. 15, 1897, Mr. Paul Rose says: "I have found in my experience of nearly twenty years in melon growing, that there is an increasing demand in most of the large cities of the northern states for salmon fleshed melons, and further, that the trade prefer their melons in the half-bushel Climax basket." There you have the whole story in a nutshell.

### SALMON FLESHED AND BASKET SIZE

Add to these essential points exceeding sweetness and solid texture of flesh, combined with the best shipping qualities, and you have a melon such as every shipper longs for.

## THE BEST

## BASKET MELON.



PAUL ROSE MELON.



THE OSAGE.

ance, and so very juicy, sweet and rich that it almost drops to pieces. It matures very early, and is quite productive.

**Banquet.** A medium sized variety, nearly round, flattened at the ends, densely netted. Flesh dark rich salmon, uniformly thick, flavor unsurpassed, rivaling the Netted Gem.

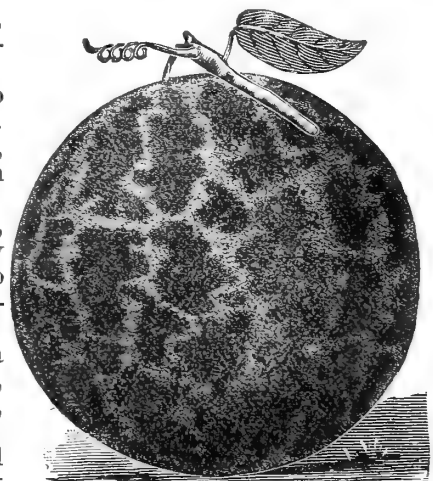
**Tip Top.** A new melon of recent introduction, and very deserving. All who have tried it have pronounced it one of the finest. Flesh yellow and sweet.

**Surprise.** This old variety is still highly esteemed. Fruit nearly round, but slightly lobed and netted. Skin yellowish white. Flesh deep salmon color, very sweet and high flavored.

**Delmonico Musk Melon.** A new oval-shaped musk melon of large size, finely netted, and has beautiful orange pink flesh, and is pronounced by connoisseurs to be a melon of *par excellence*. We offer the Delmonico to our customers with the full assurance that it will be found a most delicious variety.

**McCotter's Pride.** A western variety of recent introduction. It is a very large and fine looking melon, nearly round, dark green in color, slightly and evenly ribbed. The flesh is orange red, fine-grained, thick, sweet, and of excellent flavor.

**Ornamental Pomegranate.** A very interesting and handsome fruited vegetable. Fruit similar to Vine Peach in size, color mottled and having a rich perfume. Pkt., 5c.; oz., 15c.

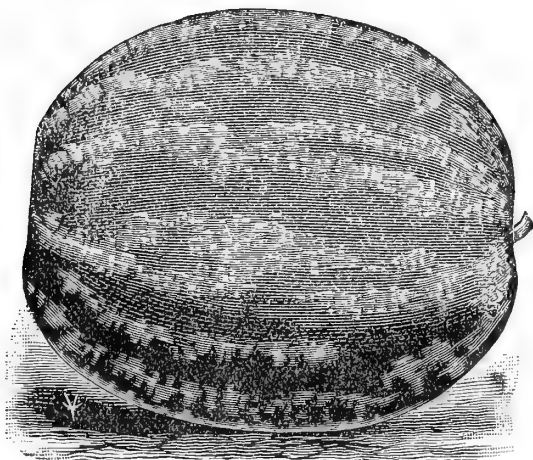


ORNAMENTAL POMEGRANATE.

**EXCEPT WHERE OTHERWISE NOTED, PRICES OF ALL VARIETIES OF MUSK MELONS ARE:**

PKT., 3c.; 1-2 OZ., 5c.; OZ., 10c.; 1-4 LB., 20c.; LB., 60c.

## WATER MELON.



COLE'S EARLY.

✓ **Cole's Early.** Very hardy, a sure cropper, and extremely delicate in texture of flesh, which is of a dark red color; rind is thin and extremely brittle, hence not desirable for shipping purposes, but possessing all the other most desirable features. We highly recommend it for home use. Medium size, nearly round; rind green, striped with lighter shades.

✓ **Dixie.** A popular market sort. Vine vigorous, large growing and hardy; fruit medium sized to large, about one-third longer than thick. Color of skin dark green, striped with a lighter shade; rind thin but tough; flesh bright scarlet, ripens closely to the rind, is of the best quality and free from the hard, coarse center which is so objectionable a feature of many shipping melons.

✓ **Peerless.** The old but extremely popular home market melon. There is none better, nor a more handsome melon grown. It is medium in size, almost round; the skin a pale green, slightly mottled; flesh bright scarlet, fine-grained, solid to the center, sweet, crisp and melting. Its delicious flavor entitles it to the name of **Peerless**.

✓ **Mountain Sweet.** A large, oval variety; rind green; flesh scarlet and quite solid to the center; very sweet and delicious. This is an old standard sort and one of the best for the home garden.

✓ **Pride of Georgia.** Round, large, crisp; bright red flesh.

✓ **Jumbo.** Immense in size. The common weight of this melon is sixty to eighty pounds. The rind is hard and firm, which makes it a superior variety for long distance shipping. In shape it is nearly round; color solid dark green; flesh deep red and of fine quality.

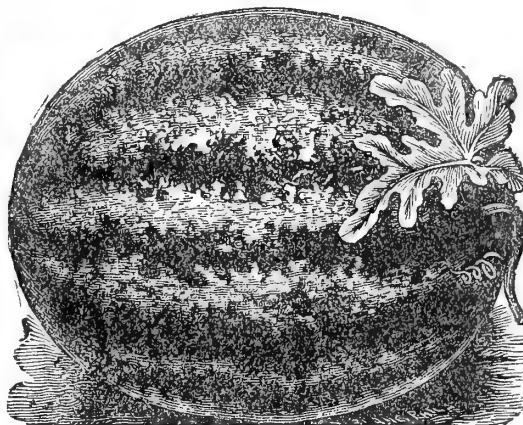
✓ **Mammoth Ironclad.** This variety, like the preceding, grows to an immense size. It is a remarkably strong grower, very productive, and an excellent keeper. The skin is beautifully striped with light green. The hardness and tenacity of its shell gives it the name of "Ironclad." Flesh bright red, solid, crisp and of excellent flavor.

✓ **Cuban Queen.** Fruit medium size to large, globular or oval; skin striped light and dark green in sharp contrast; rind medium thick, but stands shipment well. Flesh bright red, solid, very crisp and sugary.

✓ **Monte Cristo.** A splendid sort for new markets. Vine vigorous and productive; fruit of medium size; oval; color dark, mottled green in two shades, forming indistinct stripes. Flesh very bright, rich red; exceedingly sweet and tender.

✓ **Triumph.** A new southern variety. The fruit is uniformly large, nearly round, dark green, indistinctly striped with a lighter shade; rind thin and firm, making it an excellent shipper. Flesh bright red and of good quality.

✓ **Black Diamond.** A cross between Kolb's Gem and Hoosier King.

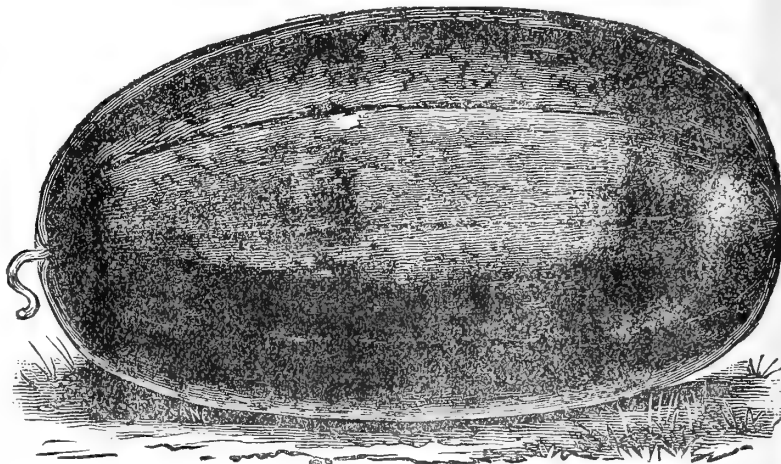


KOLB'S GEM.

✓ **Boss.** Early and very large; a good shipper.

✓ **Ice Cream.** Medium sized, with very sweet, scarlet flesh. A good variety for main crop.

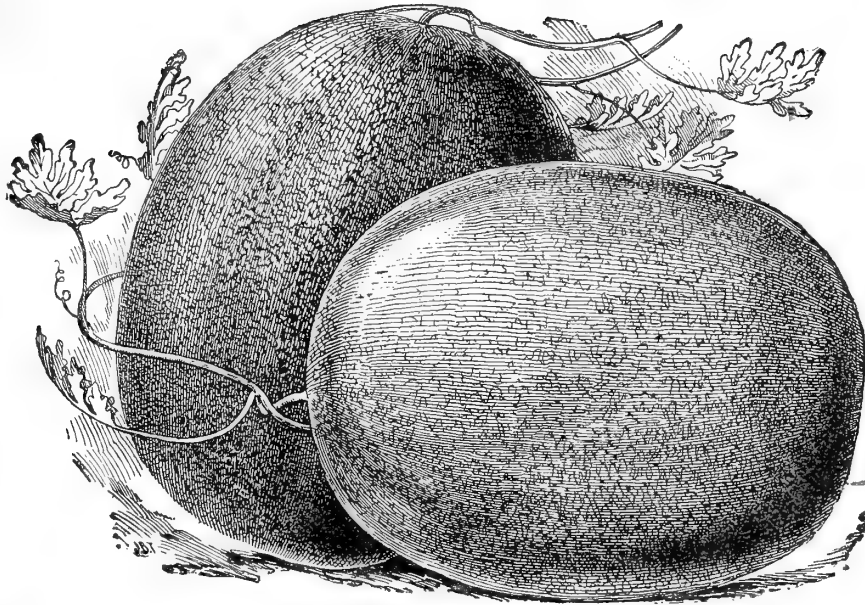
✓ **Kolb's Gem.** Vines of medium size, but remarkably vigorous and healthy. Leaves of medium size, deeply cut with a peculiar frilled edge. Fruit of the largest size, round or slightly oval, marked with irregular mottled stripes of dark and light green. Outer rind or shell exceedingly hard and firm, making it a good sort for shipping long distances. Flesh bright red, solid, a little coarse, but sweet and tender.



MONTE CRISTO.

EXCEPT WHERE OTHERWISE NOTED PRICES OF ANY VARIETY OF WATER MELON ARE:  
PKT., 3c.; 1-2 OZ., 5c.; OZ., 10c.; 1-4 LB., 20c.; LB., 60c.; POST-PAID.



**WATER MELONS.**

SWEET HEART WATER MELON.

**Fordhook Early.** The largest of the extra early water melons. Shape nearly round; color medium green; rind, tough; flesh, bright red; very delicate, melting and deliciously sweet.

**Duke Jones.** One of the most productive and largest of melons. A melon of fine appearance, large, round, solid meat, and of fine flavor, and a heavy yielder and early. It is a very good shipper, and suitable for the home garden.

**Long Light Icing.** The melons of the Long Light Icing variety are uniformly long and large, and the flesh deep, rich red and of splendid quality.

**Hungarian Honey.** This fine new variety is very appropriately so called, as it is surpassingly sweet and luscious; of a very rich honey flavor.

**Citron for Preserves.**

**Dark Icing.**

**Round Light Icing.**

**Hoosier King.**

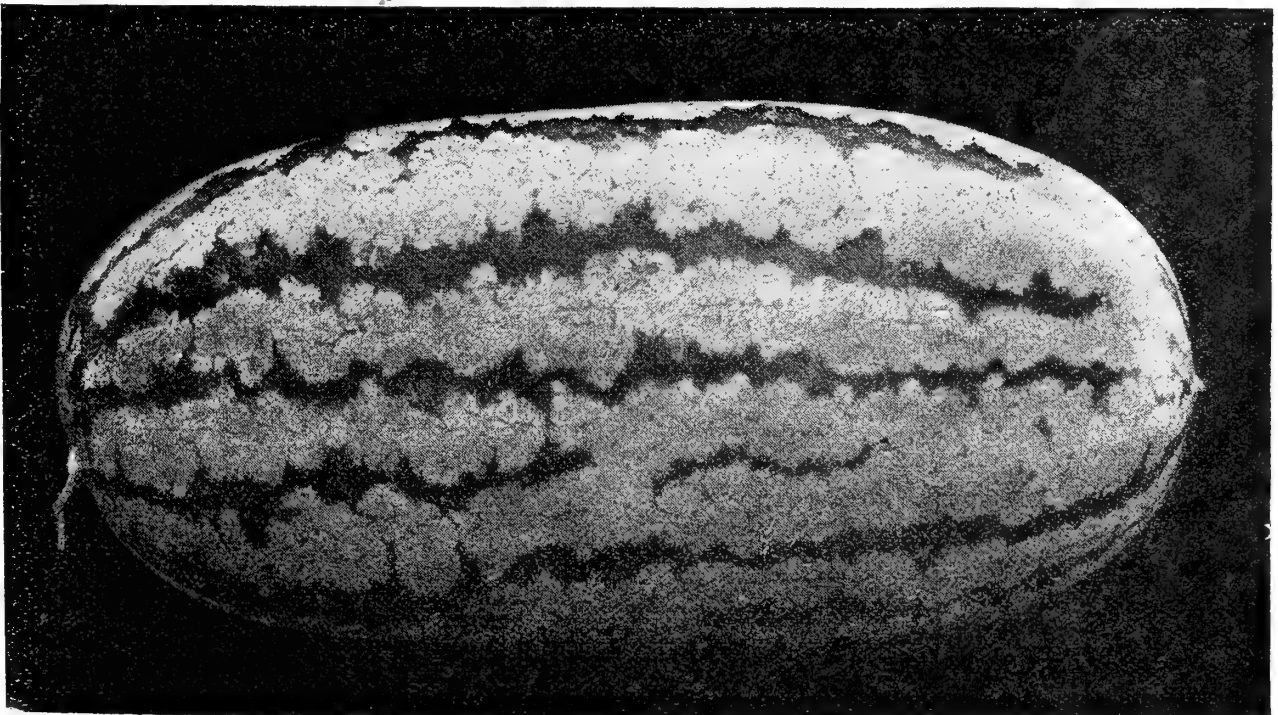
**Girardeau's Favorite.**

Our specialty is the Market Garden Trade. We issue a special list for market gardeners, and all who grow vegetables for market should write for it.

**McIVER'S WONDERFUL SUGAR MELON.**

THE SWEETEST MELON GROWN.

Without a single exception this is the sweetest water melon of all. The melons attain a great weight, are of a very handsome appearance, *never crack* or lose their fine flavor in the wettest season. It is a very productive and hardy variety, and one that will take the lead wherever known.



McIVER'S WONDERFUL SUGAR MELON.

EXCEPT WHERE OTHERWISE NOTED, PRICES OF ANY VARIETY OF WATER MELON ARE:  
PKT., 3c.; 1-2 OZ., 5c.; OZ., 10c.; 1-4 LB., 20c.; LB., 60c.; POST-PAID.

**SWEET****HEART WATER MELON.**

This new melon is early, large, handsome, heavy and productive. The shape is oval, and color mottled light to very light green. Flesh bright red, solid, but tender and very sweet. We have a very fine stock grown from selected stock seed procured from the originator, hence it is as pure and true as the original.

**Black Spanish.** Large, roundish, nearly black; dark red flesh; early.

**Florida Favorite.** A very large, long melon, mottled dark green, with stripes of lighter shade. Rind thin but firm; flesh very bright, deep red; very sweet, tender and excellent. A very popular variety in the south.

**Nabob.** A very large, solid and heavy melon, weighing from 30 to 50 pounds; oblong in shape, with dark green skin mottled with light green spots. Rind thin but very firm. Flesh deep scarlet, of delicious quality—sweet, luscious and melting.



## MARTYNIA.

The martynia, or unicorn plant, is quite ornamental in growth, quickly forming large bushes and bearing handsome gloxinia-like flowers. When young and tender the seed pods make excellent pickles, and as they are produced in great abundance, three or four plants will suffice for an ordinary garden.

**Martynia Proboscidea.** The best variety for pickles. Pkt., 10c.; oz., 30c.;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.00.

## MUSTARD.

Mustard is not only used as a condiment, but the green leaves are used as a salad, or cut and boiled like spinach. The culture should be the same as that of cress.

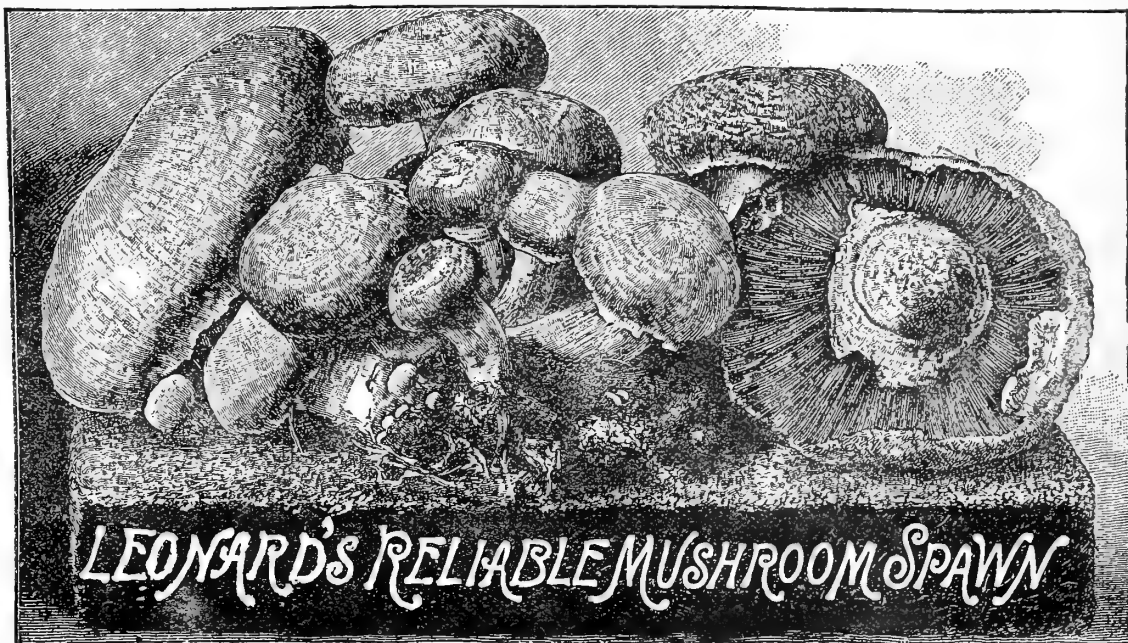
**White English.** The leaves are light green, mild and tender when young; seed light yellow. Pkt., 5c.; oz., 10c.; 2 oz., 10c.;  $\frac{1}{4}$  lb., 15c.; lb., 40c.

**New Chinese.** Highly esteemed for salads particularly in the south. The leaves are twice the size of the ordinary white mustard; flavor sweet and pungent. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 75c.

**Southern Giant Curled.** This mustard is very highly esteemed in the south, where the seed is sown in the fall, and the plants used very early in the spring as a salad. Our stock is the true curled leaf. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

## MUSHROOM SPAWN.

Mushroom beds may be made in a warm, dry cellar, or in any building where the frost does not penetrate, and in the open air during the summer and fall months. Having procured the spawn, the next thing to be attended to is to make preparation for the beds. About a fortnight or three weeks before the beds are to be made, collect a quantity of fresh horse manure without



the straw; place it in a heap under cover, and as it heats, keep turning it over once or twice a week, until the fiery heat has been exhausted, which will require from ten to fourteen days' time. When the manure is in a condition to be made up, lay out your bed according to your requirements. Break the spawn in pieces two inches square, and put them six inches apart all over the bed; then cover the bed with two inches of rich soil, the stronger the better, but of a loamy quality, beating it down firmly with a spade.

**English Spawn.** It comes in pressed bricks weighing about 20 ounces. Price, per brick, 25c.; 5 lbs., \$1.00, post-paid. By express or freight, 10 lbs., \$1.20; 25 lbs., \$2.50; 100 lbs., \$9.50.

**French Spawn.** Put up in boxes of two pounds each. Price, per box, 75c.; if by mail, \$1.00. The same loose, per lb., 35c.; by mail, 45c.

## OKRA OR CUMBO.

This vegetable is too little grown, as its green pods impart a fine flavor and consistency to soups and stews; the pods can also be dried for winter. It is universally used throughout the south, and is as easily raised in the north. So delicious is the flavor that when once used it will be grown every year.

**Lady Finger.** The plants are uniform in growth, and with their large, hibiscus-like flowers make a pretty sight. The plants produce long, slender pods. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

**Dwarf Prolific, or Density.** A fine new variety, much dwarfer than the ordinary dwarf okra, and much more productive. Short, thick pods. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

**White Velvet Okra.** The pods are perfectly round, smooth and of an attractive white velvet appearance; of superior flavor and tenderness. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.00.

**Tall Green.** A favorite at the south: called also Perkins Mammoth Long Pod. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.



OKRA.

## CHOICE ONION SEED.

The onion is one of the most important products of the market garden, and the value of the crop depends very materially upon the quality of the seed sown. Seed of strong vitality and purity, grown with proper care from fully developed onions is essential to insure a bountiful crop. For many years the market gardeners of Chicago have endorsed the quality of our seed by planting it in increased quantities each succeeding year. Market gardeners do not **knowingly take risks in buying their seed**. They cannot afford to. It is certain, therefore, that their patronage is given only to those seedsmen whom they consider entirely reliable. The best proof that a seedsman is worthy of confidence is shown by the extent of his local market garden trade, and it is well known that we have the largest trade in this line of any house in the west.

### YOUR ATTENTION IS CALLED

#### TO PAGES 4 AND 5

Our Chicago market gardeners grow the finest Globe onions to be found anywhere. We meet their requirements in seed with three special stocks of Globe onions, which are described on pages 4 and 5. These stocks have never been excelled, and the care we take in having them right and the exceedingly fine crops that these stocks produce make them of great value to all onion growers.

### LEONARD'S YELLOW CRACKER ONION.



### EXPERIENCE COUNTS FOR SOMETHING.

During the past 18 years, in addition to the vast quantity we sell we have each year planted and handled the product of thousands of pounds of onion seed. We plant the same kinds of seed that we sell and sell the same kinds that we plant. We are growers of onions, as well as sellers of the seed. We would not sell any seed that we would not be satisfied to plant ourselves. We know what onions should be and we know the value of good seed.

This splendid flat yellow extra early union is very popular with the Chicago market gardeners. It is one of the earliest onions we have, and the handsomest and best flat yellow in the list. Besides being early, it is one of the best keepers, being hard and sound when offered for sale on our markets late in the spring. Like our Leonard's Yellow Globe onion, the seed we offer of this is from bulbs of our own selection. The improvement we have succeeded in making by selecting in this onion makes our stock very superior, and all growers who want the best flat yellow onion will find it in the strain here offered.

✓ **Extra Early Flat Red.** This variety matures unusually early. It yields abundantly, is of mild flavor and a good keeper, of medium size, deep red color, very close grained, solid and heavy. This will often form bulbs in cold and mucky soils, where other varieties fail.

✓ **Early Flat Yellow Danvers.** A good variety, but not as round or quite as early as the Yellow Globe Danvers. Very productive.

✓ **Yellow Globe Danvers.** This fine onion has been for many years grown for the Chicago market. The true Buxton type is large in size, an early and abundant cropper, very thick bulb, flat or slightly convex bottom, full, oval top, with small neck, and rich, brownish yellow skin.

✓ **Yellow Strasburg, or Dutch.** One of the oldest varieties. Bulbs quite flat, of good size, skin yellow, flesh white, of mild flavor, and keeps well. This is the variety that formerly was used very extensively for growing yellow onion sets, and while still good for that purpose, it has of late years been nearly superseded by the Yellow Danvers.

✓ **Large Red Wethersfield.** Of large size and fine form, skin deep purplish red, flesh purplish white, moderately fine grained and strong in flavor. Very productive and an excellent keeper. Immense crops of this are grown for shipment, and it certainly is one of the very best sorts for market.

✓ **Southport Red Globe.** Matures nearly as early as the flat sorts, and is very similar in all respects, except color, to the Southport Yellow Globe, but ripens somewhat later. It grows to a large size, and is particularly mild and tender. A good keeper, and considered one of the best of the red onions.

✓ **Southport Yellow Globe.** Like the well known White Globe onion, except in color of skin. This is more perfectly globe shaped than the Globe Danvers, but not so early. An excellent keeper. A popular variety in New England and elsewhere. A heavy cropper, handsome in appearance, and of large size.

**PRICES OF ALL VARIETIES OF ONION ON THIS PAGE, EXCEPT WHERE NOTED OTHERWISE, ARE:**

**PKT., 3c.; 1-2 OZ., 10c.; OZ., 15c.; 1-4 LB., 40c.**

**WE WANT MARKET GARDENERS** to have our **SPECIAL MARKET GARDENERS' CATALOGUE**. It gives lowest prices for onion and other seeds in quantity. It is intended for market gardeners only, and will be sent only to those who make a business of trucking.



## CHOICE ONION SEED.

✓ **Michigan Yellow Globe.** The bulbs are large and uniformly spherical, with very small necks and the largest diameter below the center of the bulbs; of a rich orange yellow color; enormous yielders and splendid keepers. Pkt., 3c.;  $\frac{1}{2}$  oz., 10c.; oz., 15c.; lb., \$1.25; post-paid.

✓ **Ohio Yellow Globe.** This is an extra fine selection of the best colored, finest shape and heaviest yielding bulbs, entirely distinct from the old type Yellow Globe Danvers. It is earlier, has a smaller neck, is of perfect globe shape and uniform in size and color. Pkt., 3c.;  $\frac{1}{2}$  oz., 10c.; oz., 15c.; lb., \$1.25; post-paid.

✓ **Prizetaker.** This fine, large growing variety is popular with the market gardener for fall marketing. It forms a handsome bulb of a rich yellow color and fine globe form.

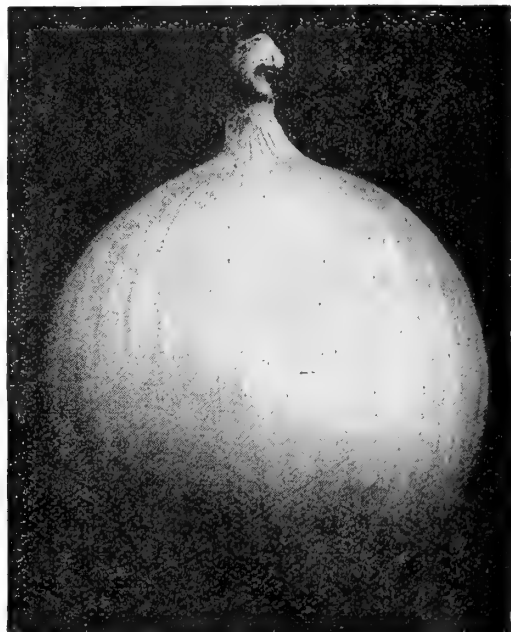
Our Seed is Selected. We use great care in securing none but the best stock. Oz., 10c.;  $\frac{1}{4}$  lb., 35c.; lb., \$1.25c.; 10 lbs., \$12.

— **Red Victoria.** Has a distinct oval shape; can be grown to weigh two to four pounds. Skin dark red, flesh white or rose colored, mild and sweet. A good keeper. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.

✓ **Southport White Globe.** A large globe shaped onion; firm, fine grained, of mild flavor; keeps well. This is one of the handsomest onions grown, of beautiful shape, clear, white skin, and commands the highest market price. This is the best variety to sow for bunching. It is used almost exclusively by Chicago market gardeners for this purpose. Pkt., 5c.;  $\frac{1}{2}$  oz., 15c.; oz., 20c.;  $\frac{1}{4}$  lb., 75c.

✓ **White Portugal.** Very desirable for family use; flavor mild and pleasant; skin silvery white; of handsome appearance; highly esteemed for pickling when young, also for market in early winter. This is the variety of which White Onion Sets are grown. Pkt., 3c.;  $\frac{1}{2}$  oz., 15c.; oz., 20c.,  $\frac{1}{4}$  lb., 75c.

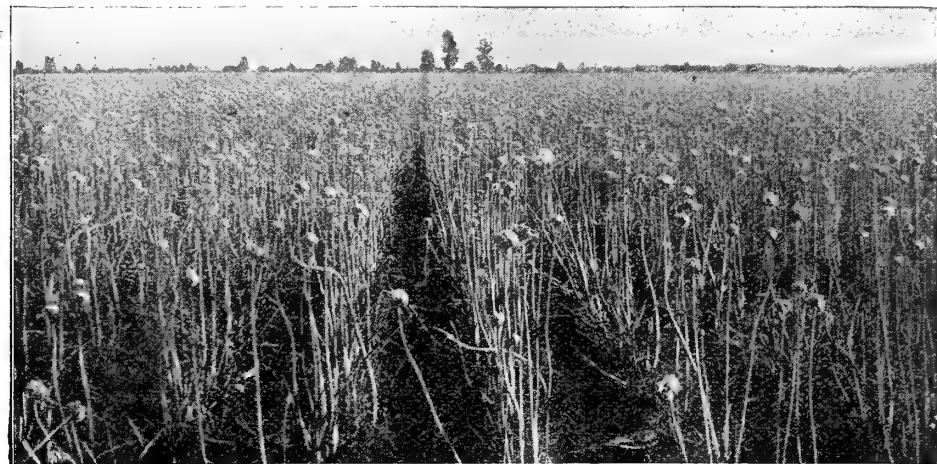
— **Giant White Italian Tripoli.** (*El Paso or Large Mexican.*) Of large size and most beautiful form, with fine white skin. The first season it will grow an onion from one to one and one-half pounds. Pkt., 3c.;  $\frac{1}{2}$  oz., 10c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.



PRIZETAKER.

### WE GROW CHOICE ONION SEED.

At the left will be seen a photograph of one of our 1901 onion fields. The view was taken after the last weeding and while the seed balls were beginning to form. This onion seed field is inside the city limits of Chicago, and distant about ten miles by trolley car from our warehouse. It forms a part of some of the richest gardenland in America, and is surrounded by market gardens conducted by successful onion growers. These growers owe a considerable part



of their success to Leonard's seeds, and are willing to admit it. They do not buy at haphazard. Low prices are all right, but there is a difference between seed sold by experienced seedsmen and that sold by promiscuous collectors of "any old thing," who trade as seedsmen. It pays to discriminate. Low price is not everything.

On the back page of cover will be found other views of our onion seed fields, also one of our onion set fields, and on pages 4 and 5 will be found our onion specialties; attention is called to these matters to show that onion growers and market gardeners everywhere will find it to their interest to trade where the right articles in their line are to be had.

#### LEONARD'S SNOWBALL CAULIFLOWER.

On Page 2 we give a description of this fine strain of cauliflower seed. It has taken the lead and is more popular with good growers of cauliflower than any other strain. Market gardeners everywhere should try this cauliflower. It is a money maker. No other stock is "just as good." Take no other Snowball cauliflower.

*We do not claim to own all the good onion seed that is grown, but we do claim to be seedsmen of experience, of reliability and repute. We claim that no better onion seed can be grown than the seed we offer; that no better onions are grown anywhere on earth than are grown at Chicago; that no seed house at Chicago or elsewhere has larger interests in the matter of onions, both as to the seed and the product of the seed, than we have.*

#### OUR BULK PRICE LIST.

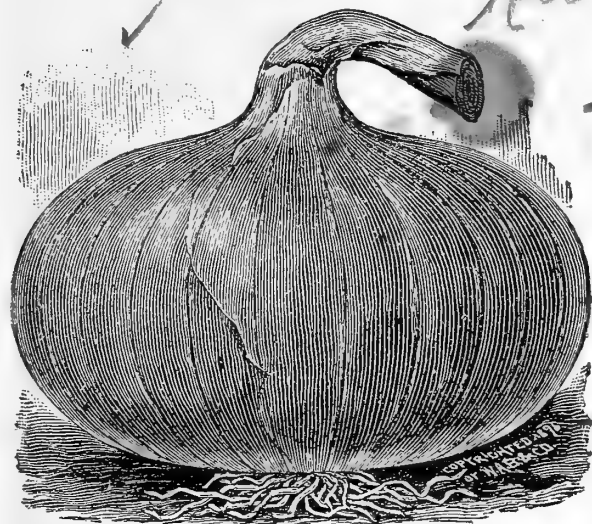
On pages 55, 56 and 57 we give net prices on onion and other seeds. This price list is for the benefit of those who purchase a general line of seeds in quantities. The prices in the body of the catalogue are, except as otherwise noted, for the seed prepaid. The bulk list prices are for the seed where the purchaser pays the freight.

#### LEONARD'S HOLLAND and FAULTLESS CABBAGES.

These two varieties, described on page 3, are the best stocks of cabbage seed ever offered. For early fall shipping the FAULTLESS is unequaled, and for late fall and winter shipping the HOLLAND is the thing.

**CHOICE ONION SEED.**

(CONTINUED.)



AUSTRALIAN BROWN ONION.

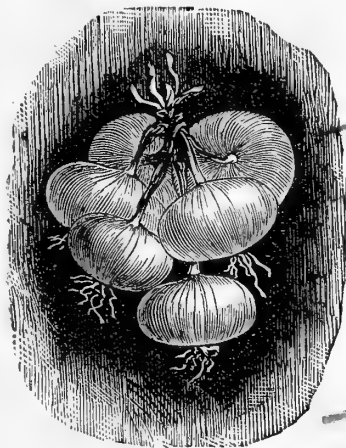
a splendid crop early in the season. In May and June this onion has almost a monopoly of the markets in Italian towns. Seed sown in July will mature a crop the same season.

✓ **Giant Rocca, of Naples.** A well known variety, of very mild, delicate flavor, immense size, handsome globular shape, and light, reddish brown skin. It is valuable both for autumn and spring sowing.

✓ **Bermuda Red.** (Teneriff.) A very early pale red onion, grown extensively in the Bermudas and southern part of the United States for early shipping to northern markets. Grown in our climate, the bulbs are smaller, but mature early and retain much of the mild, sweet flavor of the imported ones.

✓ **Bermuda White.** Mild flavored; white in color; otherwise same as red.

✓ **Spanish King.** One of the handsomest onions grown. Specimens weighing nearly four pounds are often harvested. The large Spanish onions sold at such high prices on the Chicago fruit stands are the same as this variety, only they are imported.



EXTRA EARLY PEARL.

yellow color, making it one of the handsomest onions grown.

✓ **New White Queen** is a fine early silver skinned variety, of beautiful form and rapid growth, and possessing fine keeping qualities. Seeds sown in early spring will produce onions from one to two inches in diameter in early summer, or if sown in early summer will be fit for use by autumn.

✓ **White Victoria.** A beautiful, large round variety with silver white skin, but sometimes of a delicate light rose color; flesh juicy, sweet, and milky white. A good keeper.

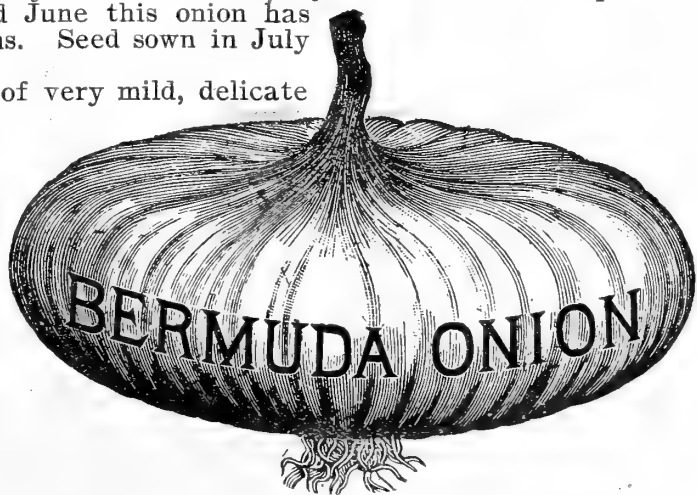
✓ **White Barletta.** When matured, the tops die down, leaving beautiful and perfect little bulbs. The color is pure white, flavor mild and delicate, perfectly adapted for pickling and table use, and makes a pretty bunch onion, especially if grown by the transplanting method.

✓ **Australian Brown Onion.** Is of medium size, wonderfully hard and solid, and most attractive for market, both as to form and appearance. The color of the skin is a clear amber brown. So widely contrasted from any other onion is this color that it will be noticed on the market, and when once bought, purchasers will be likely to return and call again for "Those beautiful brown onions."

✓ **Giant Red Rocca.** This magnificent variety is of beautiful globe shape, skin red, flesh white, of mild, pleasant flavor. Valuable either for autumn or spring sowing. It will readily produce onions of one and one-half to two pounds in weight the first year from seed.

✓ **New Mammoth Pompeii.** (Red Garganus.) This is a very fine Italian variety, rivaling the large Silver King or Giant White Garganus in weight. The skin is a delicate red, the flesh is close grained and nearly white. It is of a very mild flavor.

✓ **Neapolitan Marzajola.** A large, beautiful, silvery white skinned variety, of handsome flat shape, of very fine flavor and quality. Sown in February or March, it will produce

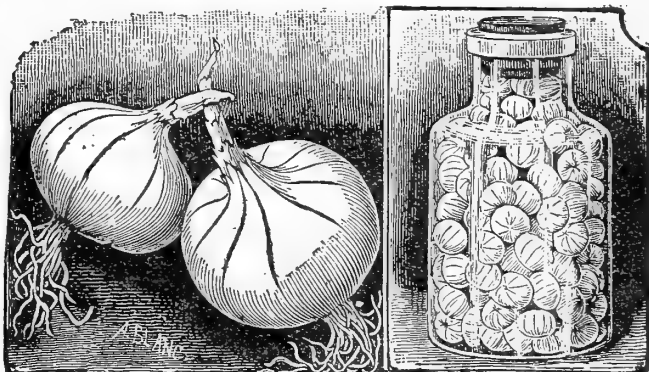


✓ **Silver King.** This is a grand onion. It is a mammoth grower, of beautiful pearly white color, almost transparent in appearance. To match Spanish King at fairs and exhibitions, it is just what is needed.

✓ **Copper King.** This variety is the largest red onion grown. It is fine and mild in taste. With the two varieties above mentioned a combination is formed which wins prizes at all fairs for all colors.

✓ **Extra Early Pearl.** A very fine, new Italian variety that grows quickly to a good marketable size. Very popular, particularly in the south. The bulbs are round, flattened, with a delicate, pure white skin. Flesh very mild and pleasant in flavor. It is claimed to excel most other onions of Italian origin in keeping qualities.

✓ **Giant Yellow Rocca.** Of all the magnificent Italian onions now in cultivation none are more popular than the Giant Rocca. This variety is of the same fine quality and grows equally as large as the Red Rocca, which it resembles in every respect, except that the skin is of a beautiful rich

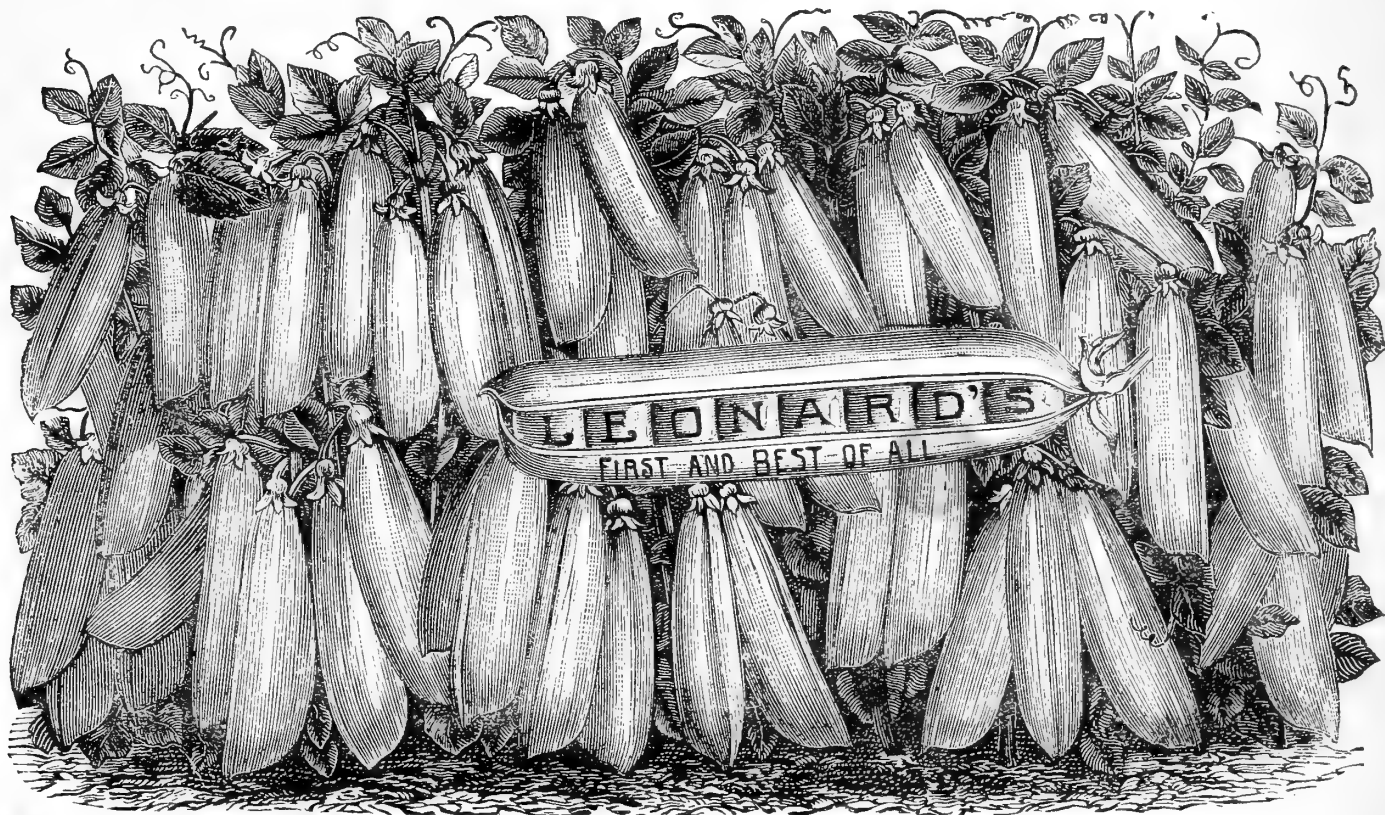


WHITE BARLETTA.

**PRICES OF ALL VARIETIES OF ONION SEED ON THIS PAGE, EXCEPT WHERE NOTE DOTHERWISE, ARE:**  
PKT., 3c.; 1-2 OZ., 10c.; OZ., 15c.; 1-4 LB., 50c.; POST-PAID.

## PEAS.

✓ **Leonard's First and Best of All.** This is the earliest and best of all the extra early kinds. It has held the lead for many years on the Chicago market, and is yet the best variety for gardeners. It is very prolific and ripens so uniformly that the vines can be cleaned up at one picking. This is a desirable feature, as the gardener can sell his entire crop on a top market. It is the best early variety for all-round purposes.



✓ **Maud S.** A very fine extra early; hardy, productive and of good flavor. Similar to First and Best.

✓ **Philadelphia Extra Early.** A very well known extra early variety.

✓ **Daniel O'Rourke.** A fine old variety.

✓ **Alaska.** The best early green seeded variety. The dark green color of the pods makes it an excellent pea for shipping long distances, making it a very popular pea with growers shipping to distant markets. Vines grow to a height of two and one-half feet.

✓ **Surprise.** The earliest of all wrinkled varieties. Has a very fine, sweet flavor.

✓ **American Wonder.** Dwarf early wrinkled variety. Ten inches high and very choice in quality.

✓ **Blue Beauty.** A blue round pea. Height, one and one-half feet. Quality and flavor good.

✓ **Extra Early Premium Gem.** Seed wrinkled. Vines, 14 to 18 inches high, extra early in season; quality very choice; the most productive of the very dwarf varieties; excellent for market.

✓ **McLean's Little Gem.** A wonderful productive dwarf wrinkled variety. Vines 18 inches high; extra early, hardy, of excellent quality.

✓ **Tom Thumb.** An excellent dwarf pea. Vines grow to about 9 inches. Early and prolific; a good garden pea.

✓ **Blue Peter or Blue Tom Thumb.** An early blue pea of fine quality, as dwarf as the Tom Thumb, and a great producer. An excellent pea in all respects, and one of the best of the dwarf varieties.

✓ **McLean's Advancer.** Medium early variety. Wrinkled and of fine quality.

✓ **Laxton's Alpha.** Medium early, seed wrinkled. Vine 20 to 24 inches. Quality excellent. Productive.

✓ **Bliss' Abundance.** Pods large and well filled. Quality is very choice.

✓ **Shropshire Hero.** A robust grower, about 3 feet high. Produces long, handsome and well filled pods in abundance. Flavor exquisite. Medium late in season.

✓ **Witham Wonder.** This most valuable and reliable dwarf wrinkled pea, resembling the English Wonder in habit, and producing a profusion of long curved pods of a beautiful dark green color, filled to the point with from eight to ten large peas of exceptionally sweet and delicate flavor.

✓ **English Wonder.** A dwarf second early variety, vigorous and uniform in growth, bearing in profusion straight pods, broader and larger than American Wonder, well filled with peas of good flavor. Week to ten days later than American Wonder; seed light green, wrinkled and often squared at the ends. Height, twelve inches.

**PRICES OF ALL PEAS ON THIS PAGE, EXCEPT WHERE NOTED OTHERWISE, ARE:**  
PKT., 5c.; 1-2 PT., 15c.; PT., 25c.; QT., 40c.; POST-PAID.



## PEAS.

✓ **Nott's Excelsior.** The earliest and best dwarf pea in cultivation. It is the best of recent introduction; vines are larger and more vigorous than the American Wonder, while the pods are fully one-third larger, containing 6 to 8 fine, large peas, packed so closely together in the pods that the peas are always more square than round. The pods are always well filled with peas, which, in sweetness and quality, have no equal, being superior to any other wrinkled sort.

✓ **Everbearing.** Medium late, a good cropper; several pickings may be taken off; it is a long continued bearer.

✓ **Pride of the Market.** A good main crop sort. The dried peas are large, green, dented. Quality good.

✓ **Telephone True Stock.** This pea has become the standard main crop variety for market in most of the large cities. The Chicago gardeners take it in

preference to any other. Our stock has been selected with great care and cannot be excelled.

✓ **Juno.** Pods are remarkably large, and well filled with peas of a rich dark green color, and of good flavor. Vines are rather stocky, and grow to about 24 in.

✓ **Duke of Albany.** This pea closely resembles the Telephone in appearance, but is in a great many ways a better pea.

The vines are more dwarf and stronger, and the pods are larger and better filled. The yield is as good as the Telephone, making it a strong rival of that well known pea. Also a week earlier.

✓ **Telegraph.** Stronger growing and hardier vine, with darker foliage than the Telephone; green peas very large, sweet, and when dry are almost smooth.

✓ **Admiral.** A medium late pea of great promise, bearing a great profusion of pods, closely packed with peas of small size and fine flavor. Resembles somewhat the Maud S. in habit, but is of more vigorous growth. From 3 to 3½ ft. in height, with cream colored wrinkled seed.

✓ **Champion of England.** For many years this has been one of the standard large late wrinkled sorts. In quality few varieties equal it. Its greatest drawback as a market variety is its tall vines, which invariably need brush, and gardeners find this too expensive. For home use, however, it is unexcelled.

✓ **Forty Fold.** This pea is an improvement on the Champion of England, being more confined in its growth, while the pods are larger and better filled and of sweet flavor. Height, 3½ feet, with light green seed, much wrinkled.

✓ **Yorkshire Hero.** In quality and appearance of peas and pods similar to Champion of England, but the vine is not so tall.

✓ **Sharpe's Queen.** Large, handsome, delicious; great yielder; pods long, slightly curved.

✓ **Black-Eyed Marrowfat.** An old standard market variety. They are not as sweet as the late wrinkled sorts, but they are more hardy.

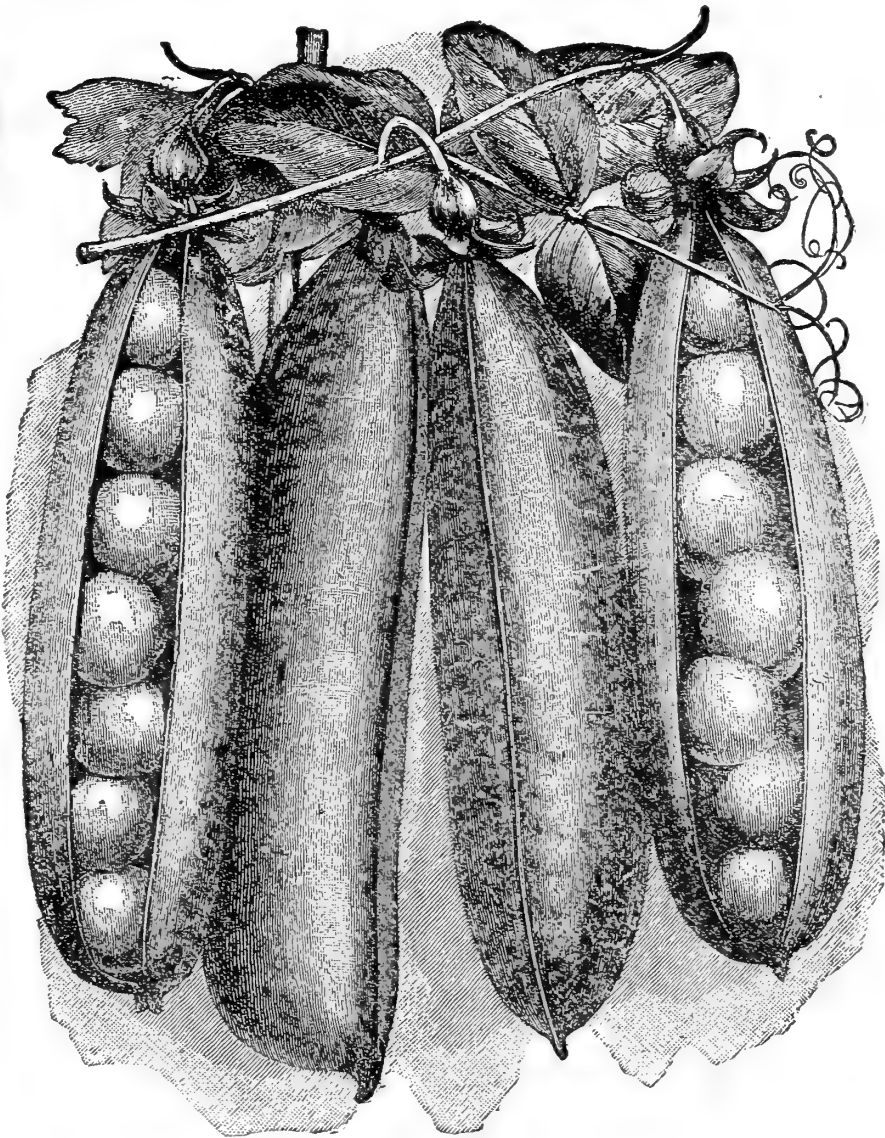
✓ **Large White Marrowfat.** Similar to the above, but do not have the black eye; dry peas are large, smooth and white; a fine variety for soups in dry state.

✓ **Melting Sugar.** They are used in the same way as snap or string beans. The best of these edible podded sorts is the Melting Sugar, of which we offer a very fine strain. The pods are very large, straight, extremely tender, fine flavored, and are borne in great abundance on vines 3 to 4 ft. high.

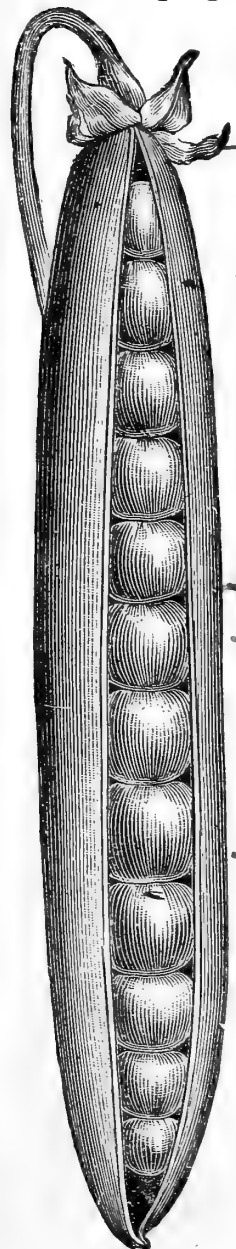
✓ **Dwarf Gray Sugar.** Edible pods. Grows about 2 feet high, and is remarkable for its earliness as well as its character. The seeds are large, shriveled, and of a dark brown color.

DUKE OF ALBANY The pods are broad, flat and crooked, and contain 5 or 6 peas.

**PRICES OF ALL PEAS ON THIS PAGE, EXCEPT WHERE NOTED OTHERWISE, ARE: PKT., 5c.; 1-2 PT., 10c.; PT., 20c.; QT., 40c.; POST-PAID.**



NOTT'S EXCELSIOR PEAS.



## PEAS.

✓ **Wm. Hurst.** An excellent pea for home use. It resembles the American Wonder very much, but is more hardy and vigorous. Pods are borne in great profusion, containing peas of excellent flavor. In height it is about twelve inches.

✓ **Horsford's Market Garden.** A very fine wrinkled variety. Good for market gardeners, as the pods are large, well filled and of good color. Quality excellent.

✓ **French Canner.** This is the small French pea extensively used for canning, and is the most profitable variety grown for that purpose; very prolific, with long, slim pods, containing from 7 to 10 peas; 3 to 3½ feet.

### ✓ GRADUS OR PROSPERITY.

This extra early pea is unsurpassed in quality, being the greatest advance yet made in the extra early peas, the pods very closely resembling the Telephone in size and shape, and containing from 6 to 8 peas of excellent flavor. Ripening very quickly, the peas can be picked at one time, making it a valuable crop for the market gardener. In habit it is vigorous, very quick to germinate and push to maturity; foliage large, pale green in color, pods long, straight, slightly round at the point, seed large, wrinkled, cream color, height, 3 feet.



GRADUS OR PROSPERITY.

We had a good opportunity of testing the Gradus pea at our Jefferson farm the past season. We had in the neighborhood of eight acres growing for our stock seed there, and found the pea to be excellent in all particulars.

We would recommend heavy seeding to market gardeners, as the vines do not grow rank and will stand thick seeding.

Prices of Gradus: Pkt., 5c.; ½ pt., 15c.; pt., 25c.; qt., 45c., post-paid. Pk., \$2.50; bu., \$10.

✓ **May Queen Peas.** A new English sort producing handsome pods filled with very large, light green, very sweet peas. These are fully equal in quality to Gradus, and mature at about the same time or a little earlier. The vine is similar in size and appearance to that of First and Best.

✓ **Tall Gray Sugar.** Edible pods. About 2 feet in height. very sweet and tender. Only to be eaten with pods.

✓ **Dwarf Champion Pea.** First-class as a variety to follow the Advancer; very healthy and vigorous. This is another favorite with the market gardeners of Long Island, where it is sown August 1, as a second crop, being less liable to mildew than other sorts. Pods and peas large, quality very sweet and rich.

**Improved Sugar Marrow.** Entirely distinct from the old and well known White Marrowfat, and far more desirable in every way. Pods much longer and of most beautiful shape, well filled with peas of the true marrow flavor, while the smaller size makes them far more desirable for canning, and a far better cropper. Height, 3½ to 4 feet; seed small, white, slightly pitted or dented. A most desirable and valuable addition to this class.

**PRICES OF ALL PEAS ON THIS PAGE, EXCEPT WHERE NOTED OTHERWISE, ARE:**  
PKT., 5c.; 1-2 PT., 10c.; PT., 20c.; QT., 35c.  
POST-PAID.

**FOR BUSHEL PRICES, SEE BULK LIST.**

## FIELD PEAS.

PRICES SUBJECT TO CHANGE.

✓ **Golden Vine.** The best variety of all, as they yield the largest crop, are not affected by weevil, and stock does as well on them as when fed on clover hay. If you have heretofore used only the common field peas, you will be greatly pleased with the Golden Vine. Give it a trial. Pk., 50c.; bu., \$1.50

✓ **White Canada.** More used than any other. Pk., 40c.; bu., \$1.25; 2 bu. or more at \$1.

✓ **Blue or Green.** Like above, except that color is a bluish green. Pk., 50c.; bu., \$1.25; 2 bu. or more at \$1.10.

## PEAS.

### NEW LARGE PODDED FIRST EARLY PEA.

**Thomas Laxton.** This fine new early pea was raised by crossing Gradus with a very early seedling of the Earliest of All type. It is a white, wrinkled marrow with a good constitution. In earliness it is within a day or two of Earliest of All, but pods are quite double the size of Ne Plus Ultra, rich dark green color, Ne Plus Ultra in shape, and contain on the average 7 to 8 very large marrow peas of the richest flavor. The height is from 3 to 3½ feet. Haulm dark green. As a first early, some consider this is one of the finest early peas yet introduced, and likely to supersede that fine early pea Gradus, being hardier in constitution and darker in color. It is a reliable market gardeners' as well as a private gardeners' pea.

**Improved Stratagem.** An improvement on the old Stratagem, which was always a shy producer. Medium height, stocky growth, and pods are immense in size, well filled with fine, large, dark green peas. Fine for gardeners.

**Heroine.** A fine pea of splendid quality. Vines are strong and vigorous, producing an abundance of fine, large, well filled pods.

**Blue Imperial.** A favorite summer variety; good bearer and of fine flavor; height 3 feet.

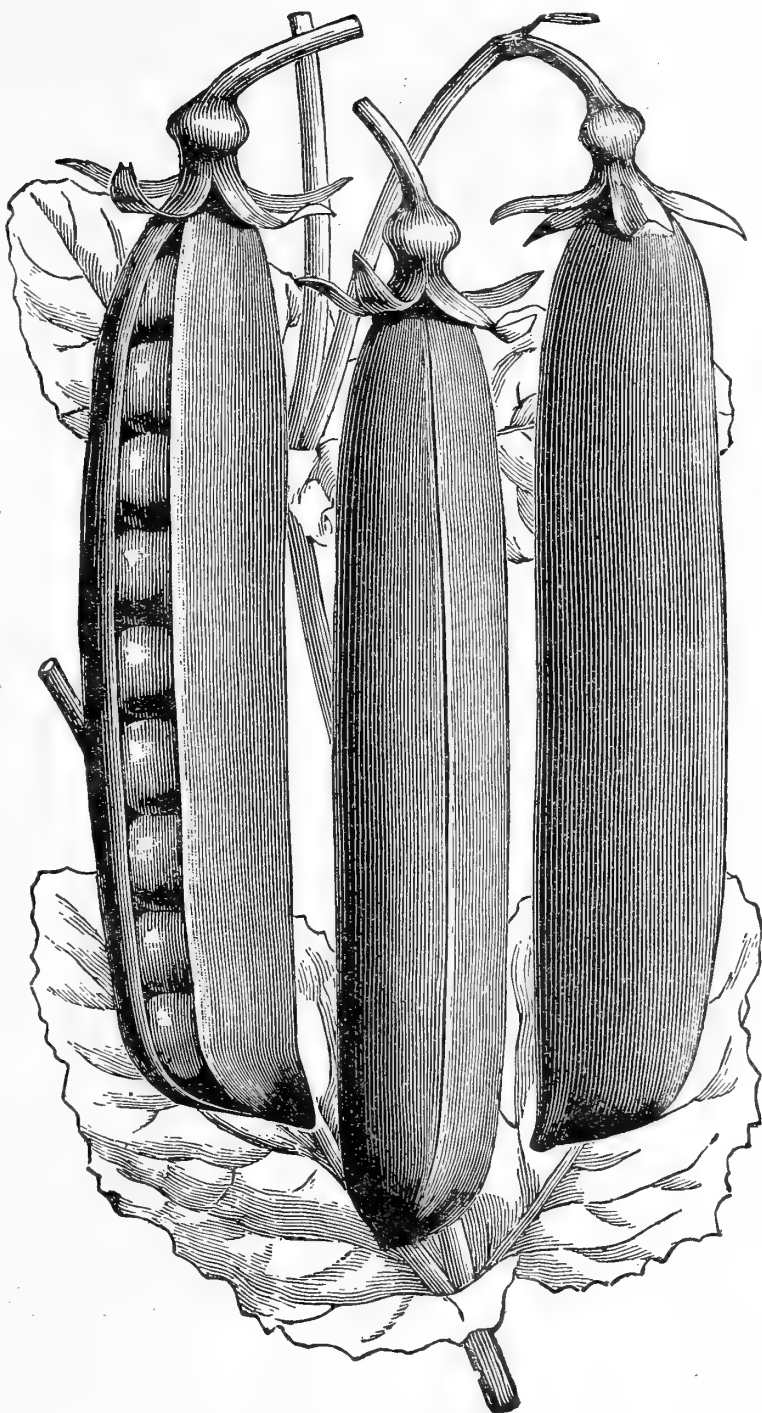
**Duke of York.** A pea of the same class as the Telephone, but much earlier and more dwarf in habit. The peas are sweet and of good flavor.

**Dwarf Telephone.** This is one of the good new varieties. It is a cross of the Telephone and the Stratagem. Height 18 inches; habit dwarf and stocky; healthy, vigorous and uniform in height. It is very productive, the plants bearing from five to seven pods. The pods are unusually long and well filled and the peas have a most delicious flavor. It is at least a week earlier than the Stratagem. This pea has the fine qualities of the Telephone without the tall vines.

**Admiral Dewey.** This is without exception the largest podded pea of which we have any knowledge, and when to this is added heavy cropping and highest quality, it can readily be seen that it stands at the head of its class. Height three and one-half feet, foliage, ine and pod rich dark green, remarkably healthy and vigorous, producing in abundance pods of largest size, frequently six inches in length, beautifully shaped, well filled with peas of largest size, tender and first class flavor, seed green, wrinkled. Undoubtedly the best of all the class of long vine, large podded peas.

**British Queen.** One of the oldest and best known sorts, but on account of its rampant growth best adapted for heavy, rather stiff soil. Pods borne near the top of the vine, hardy and on proper soil fairly productive. Height five to six feet; seed, large, white, wrinkled.

**British Wonder.** This valuable variety is a most serviceable addition to the early dwarf wrinkled peas. In the form of the pod and the dark green color of the entire plant, it resembles the English Wonder, but as it grows about six inches higher and the pods are much larger than that well known kind it is of greater value for general cultivation, especially as the crop produced is from 25 to 30 per cent greater than that of the parent variety. The peas are not only of very attractive appearance, but are also of most excellent flavor and preserve their good cooking qualities until nearly ripe.



THOMAS LAXTON PEAS.

For bushel prices of Peas, Beans and Corn, and for pound prices of all varieties of seeds when shipped at expense of purchaser, consult Bulk Price List pages. Large buyers, market gardeners, canners and all who use large quantities of seeds should write for special prices, naming quantities wanted.

**PRICES OF ALL PEAS ON THIS PAGE, EXCEPT WHERE NOTED OTHERWISE, ARE:**  
PKT., 5c.; 1-2 PT., 15c.; PT., 25c.; QT., 45c.; POST-PAID.



## PARSLEY.

✓ **Double Curled.** The standard sort for outdoor culture, also highly prized by market gardeners for the greenhouse. Pkt., 5c.; oz., 10c.

✓ **Champion Moss Curled.** A very fine curled variety. One of the handsomest for garnishing purposes. The exceedingly curled leaves make it desirable. Pkt., 5c.; oz., 10c.

✓ **Fern Leaved.** This sort has a peculiar, fernshaped leaf. It is not so desirable as the more curled sorts. Pkt., 5c.; oz., 10c.

✓ **Hamburg Rooted.** The standard rooted sort. The leaves are used for soup greens, and the roots, when sliced, are much esteemed. Pkt., 5c.; oz., 10c.



## PARSNIP.



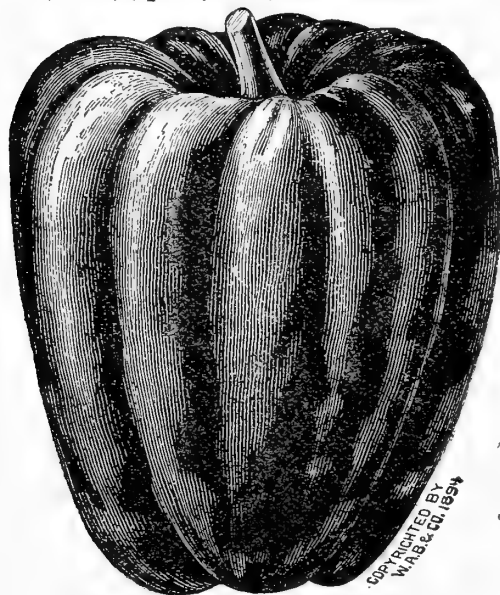
CHAMPION MOSS CURLED.

✓ **Long White Dutch, or Sugar.** Roots very long, white, smooth, tender, sugary and of most excellent flavor. Very hardy, and will keep through winter without protection. Pkt., 5c.; oz., 10c.; 2 oz., 15c.; ¼ lb., 20c.; lb., 50c.

✓ **Hollow Crown.** Roots comparatively short, with a very smooth, clean skin. The variety is easily distinguished by the leaves arising from a depression on the top or crown of the root. Pkt., 5c.; oz., 10c.; 2 oz., 15c.; ¼ lb., 20c.; lb., 50c.

✓ **Guernsey.** The best sort for heavy, black soils. In the vicinity of Chicago, where the soil is exceedingly rich, this is the variety needed, as it makes a fine shaped root which does not grow too long. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.

## PEPPER.



SWEET MOUNTAIN.

the symmetrical shape of the smaller sorts.

✓ **Large Squash.** Fruit large, flat, tomato shaped, more or less ribbed, skin smooth and glossy, flesh mild, thick meated and pleasant to the taste, although possessing more pungency than the other large sorts.

✓ **Golden Upright.** The fruits are large and of a beautiful rich golden yellow, tinged with blush red. The peppers are mild and as pleasant to the taste as Ruby King.

✓ **Red Cherry.** Plant tall, bearing a profusion of bright red, round fruit which is very pungent when ripe. The plant is very handsome and an ornament to the garden.

✓ **Red Chili.** Used in the manufacture of pepper sauce. Pods sharply conical, and exceedingly pungent when ripe. Requires a long, warm season. The plants should be started quite early in hot beds.

✓ **Yellow Chili.** Similar in form to the Red Chili; more pungent, and of a very beautiful yellow color.

✓ **Long Red Cayenne.** A long, slim, pointed pod, and when ripe, of a bright red color. Extremely strong and pungent.

✓ **Sweet Mountain.** Plants very vigorous and productive, growing upright, with moderately large leaves. Fruit very large, long, often eight inches or more in length, by two in diameter, very smooth and handsome, being, when unripe, of a bright, deep green color, entirely free from any purple tinge, and when mature, of a rich red. Flesh very thick, sweet and mild flavored. Well suited to use as a stuffed pickle.

✓ **Large Bell, or Bull Nose.** A very large sort of inverted bell shape, suitable for filling or for a mixed pickle. Flesh thick, hard and less pungent than most other sorts.

✓ **Procopp's Giant.** Very large, usually 8 to 9 inches long and 3 inches thick. Brilliant scarlet color, flesh thick, of pleasant flavor.

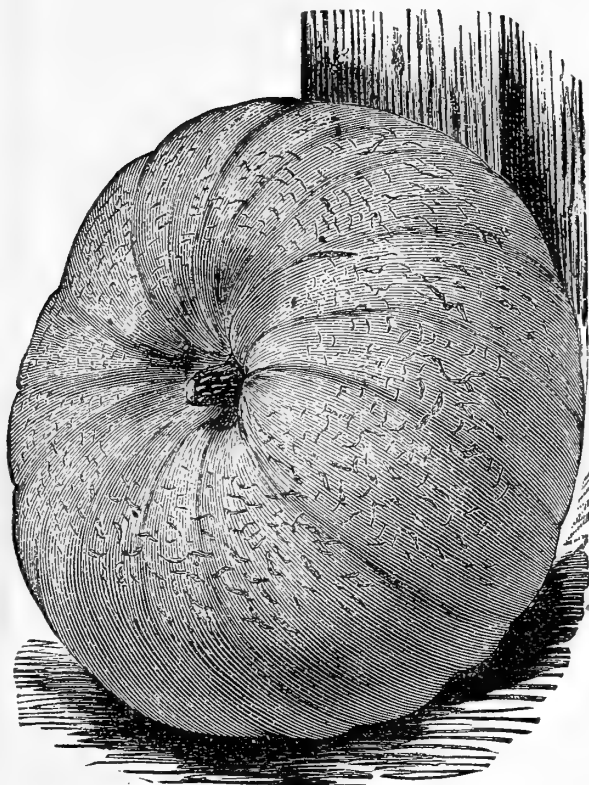
✓ **Ruby King.** An improved American sort, reaching the largest size, yet retaining



BELL, OR BULL NOSE.

**PRICES ON ALL PEPPERS ARE: PKT., 5c.; OZ., 25c.; 1-4 LB., 75c.; POST-PAID.**

## PUMPKINS.



MAMMOTH POTIRON.

cooking purposes ever introduced. Pkt., 5c.; oz., 10c.

✓ **New Pie, "Calhoun."** It is medium in size, extraordinarily heavy quality. The outside is a cream color, while the flesh, which is very thick and fine grained, is a salmon yellow and of superior quality. It is undoubtedly one of the best for pies. Pkt., 5c.; oz., 10c.

— **Banana.** (Also called Custard Squash.) The average size is eighteen inches in length by seven to eight inches in

thickness. It has ten and occasionally eleven prominent ridges running lengthwise over the entire surface. The skin is of a rich cream color, fine grained and of particularly fine quality for pies. It is a strong grower and very productive. Of very choice quality for autumn. Pkt., 5c.; oz., 10c.

✓ **Golden Oblong.** A very fine, new and productive variety, growing oblong to a length of sixteen to eighteen inches, and seven to eight inches in diameter. Flesh rich yellow, very sweet, dry and excellent for pies. A good keeper. Pkt., 5c.; oz., 10c.

✓ **Quaker Pie.** It is oval in shape, and tapers toward each end; of a creamy color, both inside and out. Being fine grained and rich flavored, it makes a superior quality of pies. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; lb., 70c.

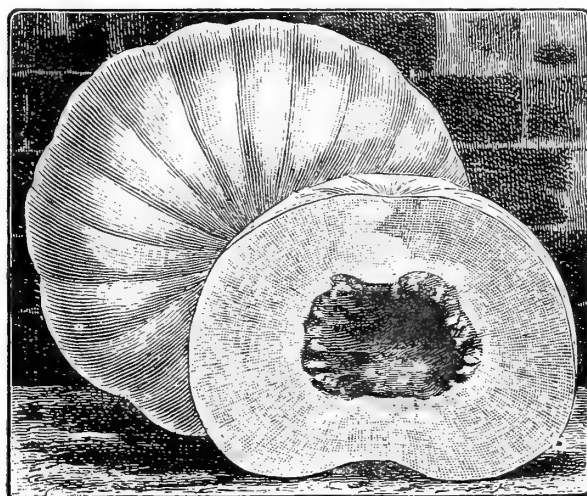
✓ **St. George's.** (Negro or Nantucket Pie.) This pumpkin was brought from the island of San George, Azores, to New England, about the year 1846. It has been cultivated ever since, and is highly esteemed as a good "Pumpkin pie" pumpkin. It is oblong in shape, with ten to twelve prominent ridges from stem to blossom end. The outer color of the skin, even when fully ripe, is a very dark green, almost black. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

✓ **Connecticut Field.** The common yellow variety usually grown for feeding stock. Good for canning and for pies. Pkt., 5c.; oz., 10c.

✓ **Large Cheese.** A very hardy and productive variety; the best for cooking purposes. Pkt., 5c.; oz., 10c.

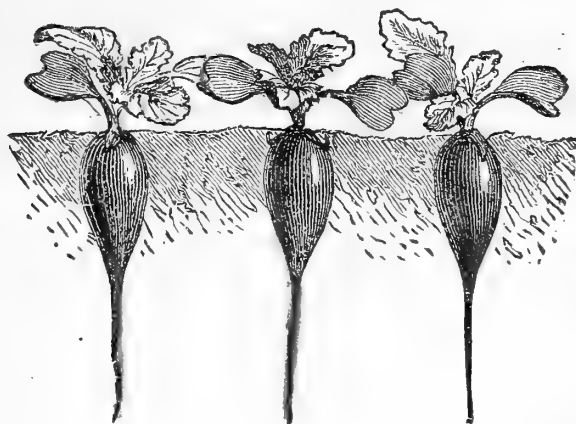
✓ **Cashaw.** A favorite sort, closely resembling the Crookneck Winter Squash. Pkt., 5c.; oz., 10c.

✓ **Large Tours, or Mammoth.** This variety grows to an immense size, often weighing over 100 pounds. Pkt., 5c.; oz., 10c.



CALHOUN PUMPKIN.





**LEONARD'S NEW THREE LEAF RADISH.** It is a splendid forcing variety, with short top, small leaves, and matures quickly; can also be grown in the open ground. Pkt., 5 cts.; oz., 20 cts.

**Olive Shaped Bright Red Leafless Forcing.** The extra early forcing radishes lately introduced are remarkable for the small size of their leaves. They develop their roots in so short a time that the latter are practically in advance of the leaves.

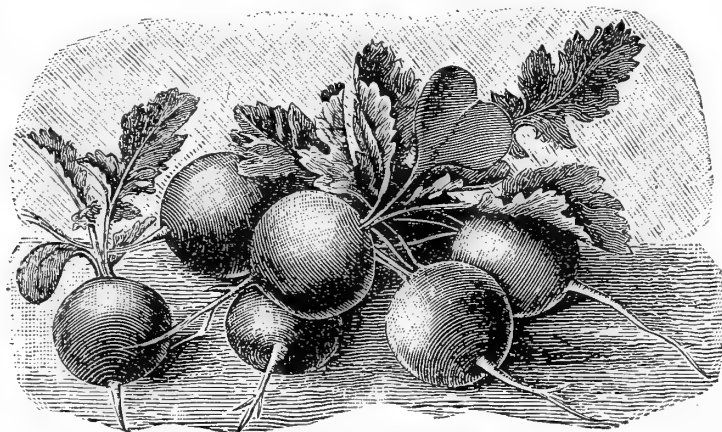
**Rosy Gem.** One of the very earliest in cultivation. Shape a perfect globe. Deep scarlet top, blending into pure white at bottom.

**Early Scarlet Turnip.** The standard early turnip radish. Fine flavored and mild.

**Early Carmine.** An extra early variety of turnip shaped radish. It is very mild and crisp. The flesh is white, the color is carmine, and the radish looks bright, even when wilted. This is, therefore, very salable on the market, even on the hottest days, when other radishes look dull and dry.

**Scarlet Olive.** Very tender and a beautiful color. Early.

**Early Scarlet Globe.** A desirable sort for hotbed forcing and outdoors, very early; flavor mild; crisp, juicy and tender; top small; will stand heat without becoming pithy. One of the best selling and most attractive radishes on account of its bright



SCARLET GLOBE.

than the Scarlet Turnip, and pure white in color. It has a very small top; white, semi-transparent flesh, and is slightly later than the Scarlet Turnip, but will stand more heat and remain longer in condition for use.

**The Cincinnati Market.** The tops of this new radish are very small and may stand much closer in the rows than Wood's Early Frame or Long Scarlet, without danger of running to seed. They grow straight and smooth, and from six to seven inches long. The flesh is very tender, crisp and delicious, never becoming pithy or hollow. The skin is very thin and is of an attractive, bright scarlet color.

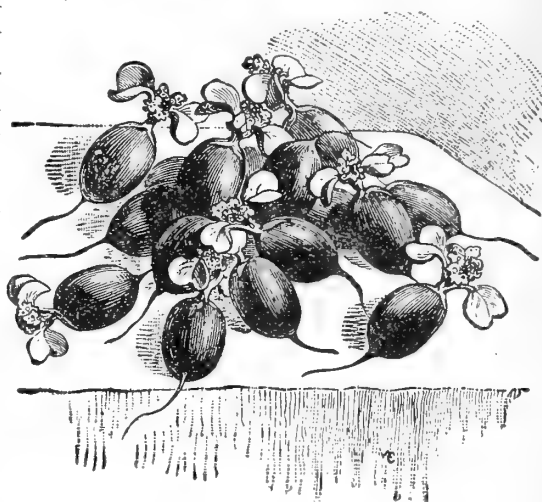
**New Deep Scarlet Turnip.** This is a very bright colored Scarlet Turnip radish, very early and short leaf, well adapted to forcing under glass. Matures in fourteen to twenty-one days, and its appearance will sell it in any market.

## RADISH.

**Leonard's Three Leaf Radish.** So named on account of its extreme earliness and the fact that when there are three leaves formed besides the seed leaf it is large enough to eat, and it has grown to table size in fourteen days from time of sowing. It is an improved form of the well known Scarlet Olive. Flesh is very crisp, tender and white, while the skin is a very bright scarlet.

**Non Plus Ultra.** This is one of the finest forcing radishes introduced, and has already taken a leading place with our market gardeners. It will mature in eighteen to twenty days, and owing to the extremely small tops, can be sown very thickly. The roots are round, with a deep scarlet colored skin, the flesh white, very crisp and tender.

**New Triumph.** The radishes are globe shape and strikingly handsome, having bright scarlet stripes on a white



OLIVE SHAPED LEAFLESS FORCING.

scarlet color and handsome shape; is ready in 28 days.

**Glass Radish.** This new radish comes from the same gardener in Denver, Colo., who originated the Denver Market lettuce, and is a fine acquisition. It is a long radish of light pink color, white tipped, of uniform size. The flesh is transparent white, always crisp and brittle, even if grown to a large size, and mild flavored. It was named "Glass Radish" on account of the fine transparency of the flesh.

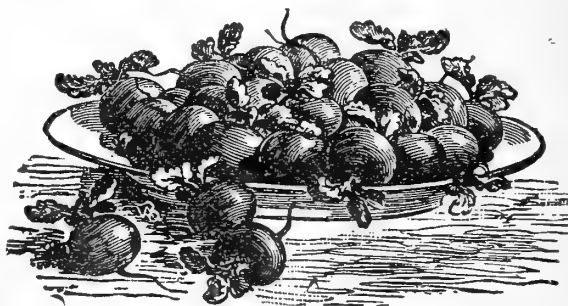
**Large White Summer Turnip.** A very large turnip shaped variety; white, very crisp and mild.

**Large Yellow Summer Turnip.** Like the above, except in color.

**Gray Summer Turnip.** Popular for midsummer planting.

**Long White Icicle.** Form a half long, pure white and very crisp. Very quick in growth.

**Early White Turnip Rooted.** A little flatter



NEW DEEP SCARLET TURNIP (FORCING).

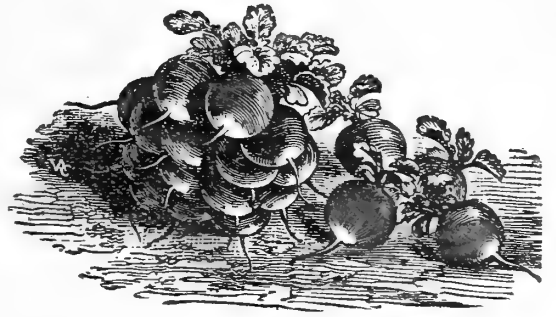
**EXCEPT WHERE OTHERWISE NOTED, PRICES OF ANY VARIETY OF RADISH ARE:**  
PKT., 3c.; 1-2 OZ., 5c.; OZ., 10c.; 1-4 LB., 20c.; LB., 60c.; POST-PAID.



## RADISH.

—**Early Scarlet Turnip, White Tipped.** One of the handsomest of the turnip radishes and a great favorite in many large markets, for early planting outdoors. It is but little later than the White Tipped, Forcing, and will give entire satisfaction where *extreme* earliness is not the primary object. Roots slightly flattened on the under side, color very deep scarlet with a white tip; flesh white and of the best quality.

—**Long Brightest Scarlet, White Tipped.** This is the brightest and handsomest colored scarlet radish known, and a decided improvement in earliness and color over other varieties of this class. It makes roots fit for use in about twenty-five days from time of planting, and they continue in good condition until they are full grown, when they are as large as the Wood's Early Frame. It has a small top and does not run to neck.



WHITE TIPPED SCARLET TURNIP.



CHARTIER.

bright red in color. The flesh is white and crisp.

—**Early White, Olive Shaped.** Like Scarlet Olive Shaped, except that the roots are clear white and a little longer.

—**White Strasburg, or Summer Hospital.** Large, showy, half long, white sort. Grows with great rapidity, sometimes producing a crop in six weeks. It will keep in eatable condition two weeks before going into seed. Best summer radish grown.

—**Giant Stuttgart.** A summer variety. Grows to an immense size. White flesh, very crisp and tender. Of good flavor, and a good keeper.



GIANT STUTTGART.

—**Half Long Deep Scarlet.** A variety half the length of Long Scarlet and of same form. Matures in twenty days.

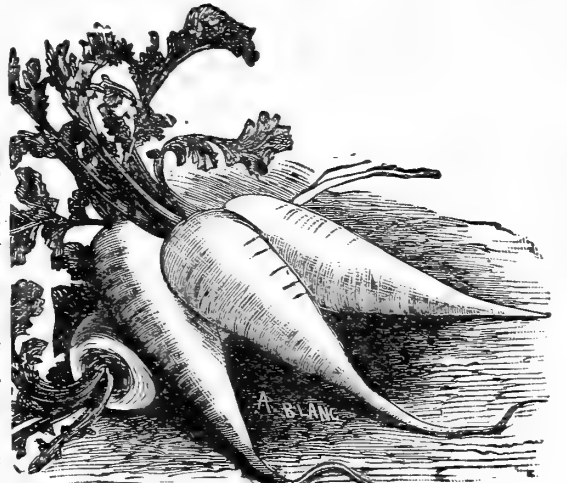
—**French Breakfast.** Olive shaped, scarlet, with white tip; crisp and tender. Very early. A general favorite.

—**Long White Vienna, or Lady Finger.** A very excellent white variety with long, very smooth white roots, which are crisp and tender. It comes into use shortly after Wood's Frame, and is one of the most desirable of the white summer sorts.

—**Chartier.** Decidedly distinct in appearance from any radish in cultivation. Its form is well shown by our engraving, the color at the top being crimson, running into pink about the middle, and from thence downward it is a pure waxy white. It will attain a very large size before it becomes unfit for the table.

—**Early Long Scarlet, Short Top Improved.** This bright scarlet, small topped sort is about six inches long, grows half out of the ground, is uniformly straight, smooth, brittle and crisp, and is a standard and excellent sort for private gardens or market use. Pkt., 5c.; oz., 10c.; 2 oz., 15c.; 1/4 lb., 20c.; lb., 50c.

—**Wood's Early Frame.** This is not only a good variety for forcing, being shorter and thicker than the old Long Scarlet Short Top, but is one of the very best sorts for first crop out of doors. It continues brittle and tender until July. One inch long. The roots are very uniform in shape, smooth and very



WHITE STRASBURG.

## WINTER RADISHES.

Sow about the same time as winter turnips, on light, rich soil, in drills eighteen inches apart; give frequent cultivation, and thin two to six inches apart, according to size of the variety. For winter use pull before severe frost, and store in damp sand in cellar.

—**Scarlet China.** Roots cylindrical, or largest at the bottom, tapering abruptly to a small tap. Skin very smooth and of a bright rose color; flesh firm, crisp, tender and quite pungent.

—**Round Black Spanish.** Roots round, sometimes top-shaped, three or four inches in diameter; skin black, flesh white, very compact and highly flavored. An excellent sort for winter, as the roots keep a long time.

—**Half Long Black Spanish.** An American sort of the same general character as the Long Black Spanish, but by many considered superior to either the round or the Long Black Spanish. It is intermediate in shape between the two, and seems to combine the good qualities of both.

—**Long Black Spanish.** One of the latest as well as the hardiest of the radishes; an excellent sort for winter use.

—**California Mammoth White China.** — **Celestial.** — **Large White Spanish.**

EXCEPT WHERE OTHERWISE NOTED, PRICES OF ANY VARIETY OF RADISH ARE: PKT., 3c.; 1-2 OZ., 5c.; OZ., 10c.; 1-4 LB., 20c.; LB., 60c.; POST-PAID.

## RHUBARB.

(PIE PLANT.)

Rhubarb, familiarly known as Pie Plant, or Wine Plant, is cultivated in gardens for its leaf stalks, which are used for pies and tarts. Immense quantities are now annually sold in all the large markets. No private garden should be without it.

**Culture.** Rhubarb succeeds best in deep, somewhat retentive soil. The richer its condition and the deeper it is stirred the better. Sow in drills an inch deep, and thin out the plants to six inches apart. In the fall transplant the young plants into very highly manured and deeply stirred soil, setting them four to six feet apart each way, and give a dressing of coarse manure every spring. The stalks should not be plucked until the second year, and the plant never allowed to exhaust itself by running to seed. Our seed is saved from selected plants of the Linnæus, Victoria, Giant and other improved sorts, but like the seeds of fruit trees, rhubarb seed cannot be relied upon to reproduce the same varieties.

✓ **Rhubarb Seed.** Pkt., 5c.; oz., 15c.; 2 oz., 25c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.

**Rhubarb Roots.** By express not prepaid, 20c. each, \$1.50 per dozen. By mail, prepaid, 25c. each, \$2.00 per dozen.

**PRICES ON LARGE LOTS OF RHUBARB ROOTS ON APPLICATION.**

## RAPE DWARF ESSEX, for Sowing.

There is only one "best" variety of rape and that is Dwarf Essex. Do not be deluded into buying inferior grades by unscrupulous dealers or exaggerated advertisements. **There is no plant that will give as heavy a yield of forage at such a small cost as this,** and its general cultivation would add largely to the profits of American farms. Especially valuable for green manuring and pasture. When fed off by sheep, it will probably do more to restore and make profitable exhausted soils than any other plant. Beware of the worthless annual variety that is often sold, and which is not only worthless for forage but once planted is liable to become a pernicious weed. Biennial.

**Culture.** Prepare the ground as for turnips and sow in June or July, with a turnip drill, in rows  $2\frac{1}{2}$  feet apart, at the rate of  $2\frac{1}{2}$  pounds of seed per acre. It may be sown broadcast at the rate of 5 pounds per acre.

$\frac{1}{4}$  lb., 10c.; lb., 25c., post-paid. By freight or express at purchaser's expense, 10 lbs., \$1.

## SALSIFY.

(VEGETABLE OYSTER.)

The long, white tapering root of salsify resembles a small parsnip, and when cooked is a good substitute for oysters, having a very similar flavor.

**Culture.** It succeeds best in a light, well enriched soil, which should be stirred to a good depth. Coarse and fresh manure should be avoided, as it will surely cause the roots to grow uneven and ill shaped. Sow early and quite deep, giving the general culture recommended for parsnip. The roots are perfectly hardy, and may remain out all winter, but should be dug early in spring, as they deteriorate rapidly after growth commences. Store a quantity for winter use in a pit, or in a cellar in damp earth or sand.

✓ **Large White.** The common variety; roots medium sized, smooth; flesh white. Pkt., 5c.; oz., 10c.; 2 oz., 20c.;  $\frac{1}{4}$  lb., 30c.; lb., \$1.

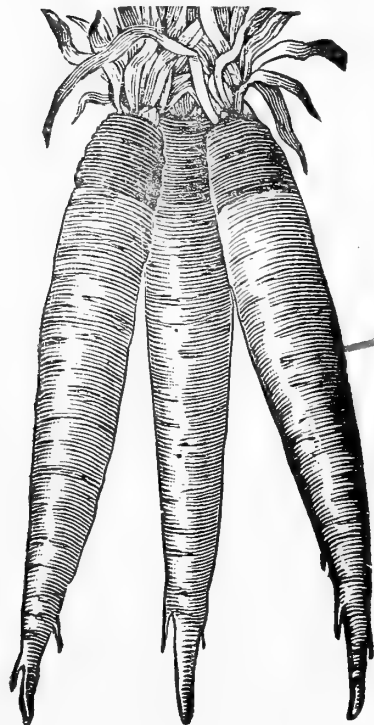
✓ **Mammoth Sandwich Island.** This is in every way superior to the Large White, being larger, stronger growing and less liable to branch. Invaluable to market gardeners. Pkt., 5c.; oz., 15c.; 2 oz., 25c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.50.

## ✓ SCORZONERA.

(Scorzonere. Escorzonera.)

**Culture.** Cultivate the same as salsify. It is cooked in the same manner, but on account of being somewhat more difficult to raise, is seldom seen in cultivation. Considered by many superior to salsify. It is also called Black Salsify.

**Scorzonera.** Oz., 30c.;  $\frac{1}{4}$  lb., 85c.; lb., \$3.



SANDWICH ISLAND SALSIFY.

## SCOLYMUS.

A vegetable from Spain. The roots resemble a small parsnip, and will keep through the winter like a turnip. It is cultivated exactly like the carrot, except that it should be grown in rows three feet apart and eighteen inches in the rows. It is eaten boiled, like salsify.

**Scolymus.** Oz., 30c.;  $\frac{1}{4}$  lb., 85c.; lb., \$3.

## SKIRRET.

(Chervis.)

**Culture.** Sow in drills, one-half inch deep, a foot apart; thin out to eight inches in the row; keep down the weeds. Take up the roots before winter, and store in sand or earth. It is a plump, fleshy root, containing a quantity of sugar, and is eaten like scorzonera or salsify.

**Skirret.** Pkt., 10c.; oz., 40c.



VICTORIA SPINACH.

## SPINACH.

Spinach is very hardy, extremely wholesome and palatable, and makes a delicious dish of greens, retaining its bright green color after cooking.

**Culture.** Should be planted in very rich ground, the richer the better. Sow in drills one foot apart, and begin thinning out the plants when the leaves are an inch wide. All should be cut before hot weather, or they will be tough and stringy. For early spring use, sow early in autumn and protect the plants with a light covering of leaves or straw.

**Victoria.** An excellent sort, which forms a very large, exceedingly thick, dark green leaf, somewhat curled in the center. It becomes fit for use nearly as early as any, remaining so much longer than most kinds, and cannot fail to please, whether grown for the market or in the private garden. Pkt., 5c.; oz., 10c.; 2 oz., 10c.; ¼ lb., 15c.; lb., 40c.

**Savoy Leaved.** The earliest variety and one of the best to plant in autumn for early spring use. Plant of upright growth, with narrow, pointed leaves which are curled like those of Savoy cabbage. It grows quickly to a suitable size for use, but soon runs to seed. Pkt., 5c.; oz., 10c.; 2 oz., 10c.; ¼ lb., 15c.; lb., 40c.

**Round Summer Broad Leaved.** This variety is generally preferred in the north for early spring sowing, and is the most popular with our market gardeners. The leaves are large, thick and fleshy. Though not quite as hardy as the Prickly Winter, it stands the winter very well. Pkt., 5c.; oz., 10c.; 2 oz., 10c.; ¼ lb., 15c.; lb., 35c.

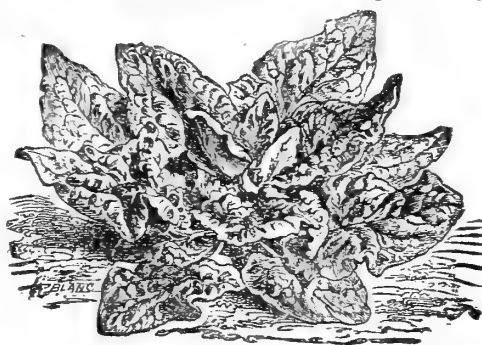
**Broad Flanders.** One of the most vigorous and strong growing varieties. The leaves are nearly round, uniformly bright green, quite thick and slightly crimped in the center. A very desirable sort. Pkt., 5c.; oz., 10c.; 2 oz., 10c.; ¼ lb., 15c.; lb., 40c.

**Improved Thick Leaved.** A variety which grows very rapidly, forming a cluster of large, very thick, slightly wrinkled leaves of fine color and quality when cooked. Especially recommended for market gardeners. Pkt., 5c.; oz., 10c.; 2 oz., 10c.; ¼ lb., 15c.; lb., 40c.

**Long Standing.** An improved, round seeded strain of excellent merit, having all the good qualities of other sorts and continuing in condition for use much longer. The leaves are smooth and very dark, rich green. Very popular with market gardeners. Pkt., 5c.; oz., 10c.; 2 oz., 10c.; ¼ lb., 15c.; lb., 40c.

**Long Standing Prickly.** The plants mature a little later than the round leaved sorts, but furnish a large quantity of very thick and well flavored leaves. Has prickly seed. Pkt., 5c.; oz., 10c.; 2 oz., 10c.; ¼ lb., 15c.; lb., 40c.

**Prickly Winter.** A very hardy variety, and will withstand the severest weather with only a slight protection of leaves or straw. The seed is prickly, leaves triangular, oblong or arrow shaped. It is used for fall sowing, which in this latitude is made about the first of September. Pkt., 5c.; oz., 10c.; 2 oz., 10c.; ¼ lb., 15c.; lb., 35c.



LONG STANDING SPINACH.

**SUCAR CANE. EARLY AMBER.** This variety is successfully grown in our extreme northern latitudes. It may be planted as late as the fifteenth of June, and will be ripe enough to manufacture in September. We know of no earlier variety. It is useless to plant cane seed before the weather is warm in spring. Three to four pounds are required per acre. Oz., 10c.; 1-4 lb., 15c.; lb., 30c., post-paid; \$6.00 per hundred pounds, by freight or express, at purchaser's expense.

**EARLY ORANGE.** An exceedingly valuable variety. Very large, of strong and vigorous habit, and does not fall down. It is early and yields more than any other sort, often producing as much as two hundred and forty gallons of very beautifully colored and highly flavored syrup to the acre. We recommend it highly to all desiring a superior cane. Oz., 10c.; 1-4 lb., 15c.; lb., 30c., post-paid; \$6.00 per hundred pounds, by freight or express, at purchaser's expense.

**SUNFLOWER.** Every one who keeps poultry should use sunflower seed liberally for feeding, as there is nothing more wholesome and nutritious, or which keeps hens in better condition for laying. Some species are largely planted in the flower garden for ornament. (See Flower Seeds.)

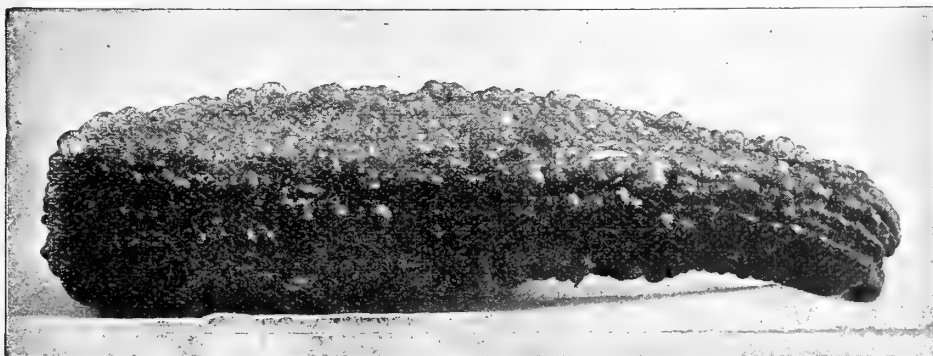
**LARGE RUSSIAN.** This variety has large heads, borne at the top of a single unbranched stem, and having much more and larger seed than the common sort. Sow the seed as soon as the ground is fit for corn, in rows five feet apart, and ten inches apart in the row. Cultivate same as corn. When the seed is ripe and hard cut off the heads and pile loosely in a rail pen having a solid floor, or in a corn crib. After curing sufficiently so that they will thresh easily, flail out or run through a threshing machine, and clean with an ordinary fanning mill. This variety will yield nine hundred to twelve hundred pounds of seed per acre ordinarily. Pkt., 5c.; 1-4 lb., 10c.; lb., 20c., post-paid; \$3.50 per hundred pounds, by freight or express, at purchaser's expense.

## SORREL.

Those who think of sorrel as the starved looking weed of barren lands have little idea of the possible value of the plant. The improved varieties, when well grown and cooked like spinach, make a healthful and very palatable dish. Sow in drills early in spring, and thin the seedlings to six or eight inches apart in the row. One may commence cutting in about two months, and the plants will continue in full bearing from three to four years.

**Large Leaved French.** The best garden variety, having large, pale green leaves of fine quality. Pkt., 5c.; Oz., 15c.; 2 oz., 25c.; ¼ lb., 40c.; lb., \$1.25.





LEONARD'S GIANT SUMMER STRAIGHT-NECK SQUASH.

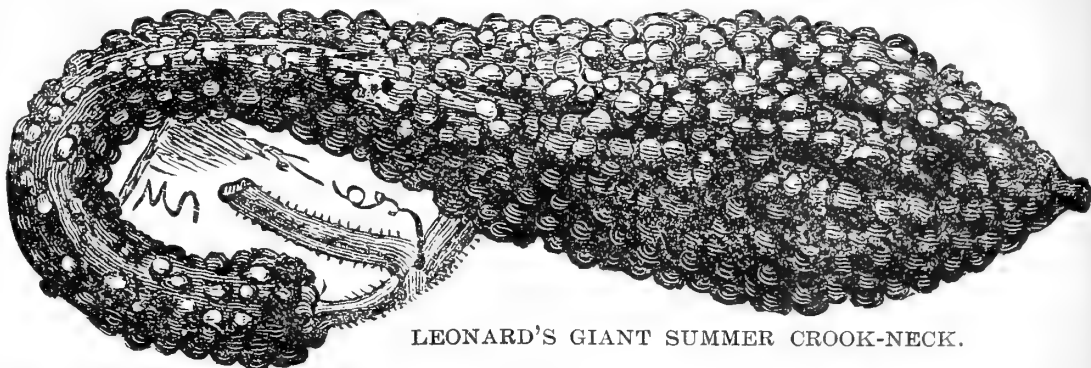
**Golden Custard Bush.** Exceeds in size any of the scalloped sorts. A dark, rich golden yellow. Quality excellent. It grows in bush form, wonderfully productive.

**Delicata.** Early and very prolific; of oblong shape. Ground color, orange yellow, splashed and striped with very dark green. Although of small size, the squashes are very solid and heavy, while the quality is rich and dry.

**Perfect Gem.** Equally desirable either as a summer, autumn or winter squash. It is a strong grower and a large yielder. The squashes are from four to six inches in diameter, of a creamy white, with thin, smooth shell, slightly ribbed.

**Faxon's Brazilian Squash.** It is remarkably prolific in habit; quality dry and rich without regard to the size, coloring or time of ripening of the fruit—something entirely different in this respect from any other squash. Its valuable points are earliness, long keeping and high table qualities. We are recommending it to all for general use in the home garden.

**Leonard's Giant Crook-neck.** This strain is a great improvement on the old variety of Crook-neck. It is larger and better in every way.



LEONARD'S GIANT SUMMER CROOK-NECK.

**Summer Crook-neck.** The old standard sort; very early and productive. Fruits about one foot long, with crooked neck, and covered with warty excrescences; color bright yellow; shell very hard when ripe.

**White Summer Crook-neck.** One of the best summer squashes of recent introduction. In size and shape it resembles the Summer Crook-neck. In color it is a beautiful ivory white, and its flavor is unsurpassed.

**Early White Bush Scallop.** Similar in form to the preceding, but with a cream white skin, and more tender and delicate flesh.

**Leonard's Mammoth White Bush.** This has been obtained by years of careful selection. Although we have sold this squash for a number of years, we again call special attention to it, having this year grown and selected some of the finest specimens ever raised. No such a field of squashes was ever seen before,

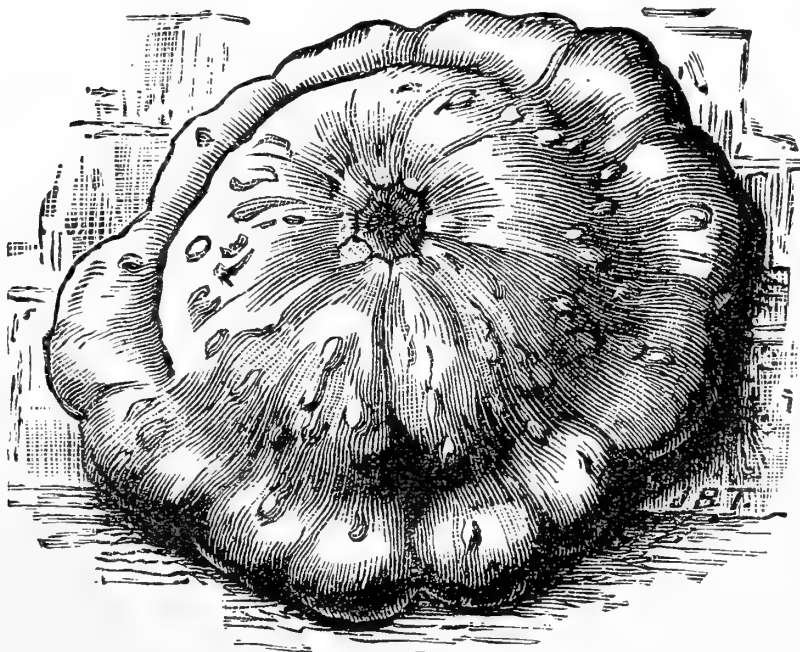
for the immense squashes were produced in extraordinary numbers. They are of a beautiful glossy white color, very early, and growing to an enormous size. They average from twelve to fifteen inches across. The shapes are very uniform, almost facsimiles of each other.

**Pineapple.** A summer, fall and winter variety. The color of the skin is a creamy white. In time of ripening it comes in with the Perfect Gem, and is of excellent quality when quite young, and keeps well all winter. The flesh is also of a creamy white color, fine grain and splendid quality, having a rich cocoanut flavor.

**English Vegetable Marrow.** A favorite English sort. The fruit is variable in size, from nine to eighteen inches in length. Skin is greenish yellow, flesh white, soft and of rich flavor. Plant eight feet apart. Per pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.; lb., \$1.50.

**PRICES OF ALL VARIETIES OF SQUASH ON THIS PAGE, EXCEPT WHERE NOTED OTHERWISE, ARE:**

**PKT., 5c.; OZ., 10c.; 1-4 LB., 20c.; LB., 75c.; POST-PAID.**



MAMMOTH WHITE BUSH.

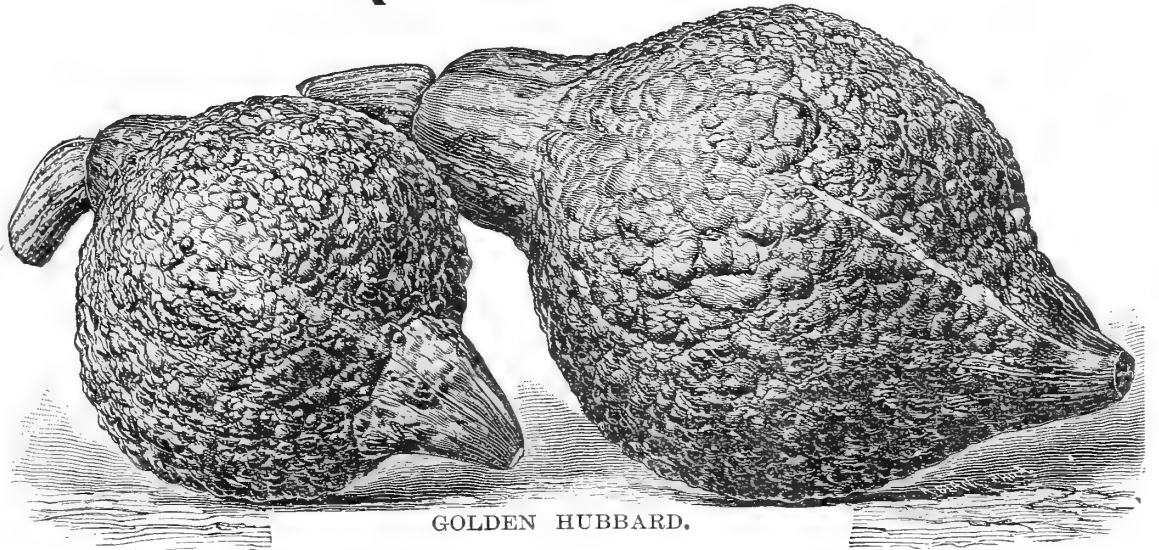
**Golden Hubbard.** This is a very distinct sort of the shape and general character of the Hubbard, but a little smaller; earlier to mature and of rich orange red color, instead of the dark olive green of the old Hubbard.

**Mammoth Chili.** The largest of all squashes, growing to an immense size; often weighing over two hundred pounds, while its rich, fine-flavored flesh insures its value for all purposes.

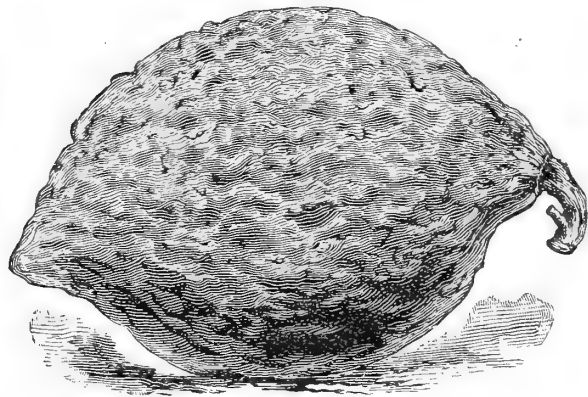
**Marblehead.** An excellent variety resembling the Hubbard. The flesh is rather lighter in color than that variety, while its combination of sweetness, dryness and delicious flavor is remarkable.

**Fordhook.** This is one of the earliest of the long-keeping winter varieties. If kept in a proper place it will remain good until the end of the following spring. It is medium in size, of attractive appearance, the exterior color being bright yellow.

## SQUASH.



GOLDEN HUBBARD.



ORANGE MARROW.

**Orange Marrow.** A variety developed by selection from the Boston Marrow, and not so large but much earlier, and the earliest of the winter varieties. Fruit deep orange color netted with cream; shape similar to Boston Marrow; flesh thick, deep yellow, of fine quality.

**Essex Hybrid.** This is not only one of the richest flavored, finest grain and sweetest of all squashes, but it is also one of the very best keepers that we know of. Short cylindrical shape, having on the blossom end a small cap shaped enlargement. The flesh is dry, sweet and thick, and of a bright orange color.

**Boston Marrow.** Second early, coming in about ten days after the Bush and Crookneck sorts. Skin yellowish, very thin; the flesh dry and fine grained, and of unsurpassed flavor.

**Sibley or Pike's Peak.** A very choice flavored, long keeping squash.

**White Hubbard or White Chestnut.** The outside skin is a creamy white, while the flesh is lemon yellow, fine grained, sweet, most excellent in quality, suggesting the flavor of a boiled chestnut. Size and form much like the Hubbard.

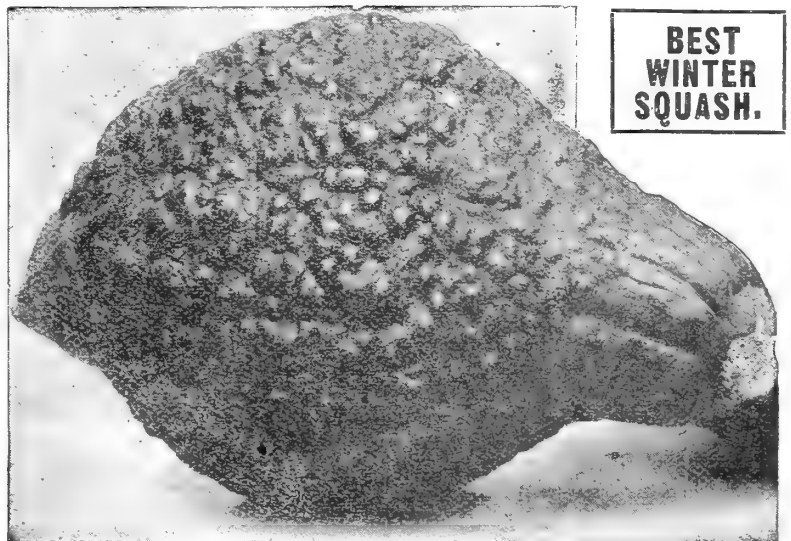
**Hubbard.** A general favorite and more largely grown as a late sort than any other; it is of large size, often weighing from nine to ten pounds. Color, bluish green, occasionally marked with brownish orange or yellow. Flesh fine grained, dry, and of excellent flavor. It can be had in use from September to May.

**Leonard's Warty Hubbard.** Also called Warty Hubbard and Chicago Warty Hubbard. This strain of squash was introduced by S. F. Leonard in 1894. It originated with John Oly, an old-time Chicago market gardener, and for years previous to its general introduction to the trade was known at Chicago as Leonard's Warty Hubbard, *which is its proper name.* Ours is headquarter seed.

**Turban.** Orange yellow flesh, of good flavor.

**Bay State.** With hard blue shell; for fall and winter.

**Butman.** Salmon colored flesh; dry and fine for late.



LEONARD'S WARTY HUBBARD.

**BEST  
WINTER  
SQUASH.**

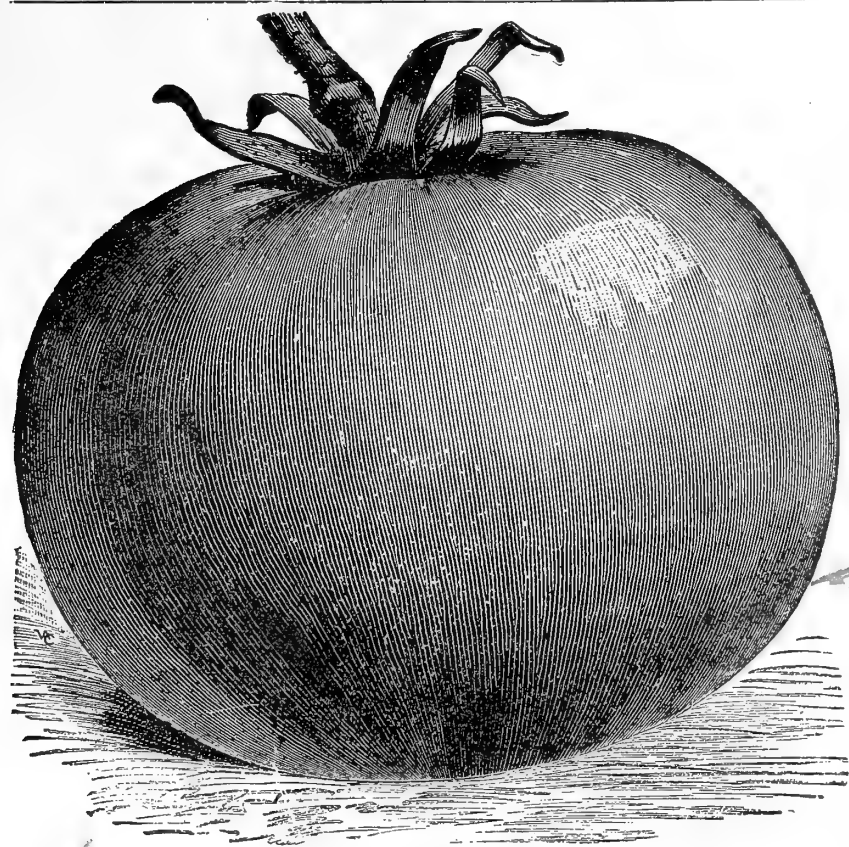
**PRICES OF ALL VARIETIES OF SQUASH ON THIS PAGE, EXCEPT WHERE NOTED OTHERWISE, ARE:**  
PKT., 5c.; OZ., 10c.; 1-4 LB., 30c.; LB., \$1.00.

## TOMATO.

This is a very important vegetable for a market gardener. Each market demands its own special favorite, and market gardeners must look out and get the proper kind, which the market they supply needs. Unless you are sure that a new variety is all right, stick to the old one.

**The New Imperial.** Without doubt this is the best main crop tomato now in cultivation. It is large, solid and smooth; has the right color for the Chicago market, and makes the evenest, handsomest show in the tomato box of any we have. We think it better than Acme, Essex Hybrid or Beauty, and that is as much as we need say of any tomato.

**Leonard's Early Market.** This fine new tomato is absolutely the best and smoothest of any of the extra early sorts. It is ready to sell 5 to 10 days ahead of the others, and for those who desire a real early tomato, it is highly recommended. In color it is a bright red; has a comparatively smooth surface. The vine is strong and the fruits set close. It is quite productive, and offers chances for money making to all gardeners who can get it in and out of the way before the Acme and other main crop varieties are offered.



THE IMPERIAL TOMATO.

**The Honor Bright.** This is a remarkable red variety. The color of the fruit when fully ripe is a rich, bright red, but before reaching this stage it undergoes several interesting changes. First it is light green, then an attractive waxy white, then lemon changing to red. It is one of the most attractive and handsome varieties grown, and well adapted for home use and market, and on account of its solidity and long keeping qualities, it is especially recommended for shipping.

**Livingston's Magnus.** A new variety. It is very distinct, having the color of Livingston's Beauty and Acme, but thicker, heavier and more solid than either. The form is uniformly perfect, large and attractive, very deep from blossom to stem end, and almost globe shaped. Fruit in clusters, ripening evenly and maturing quickly enough for early market. Flesh is firm and flavor most desirable.

**Perfection.** Of good size, color red. An early ripener. Almost round, smooth and solid. Very productive.

**Atlantic Prize.** This variety, after Leonard's Early Market, is the most desirable real early tomato. It is a well known tomato, as heretofore it has been called our earliest smooth tomato, and for years has given satisfaction.

**Favorite.** A fine standard variety. It is a good shipping sort, fine for canning. Excellent sliced, good for the market or home garden.

**Royal Red.** A fine new tomato. Medium size, smooth, solid.

**Trophy.** A good main crop sort. Color red; fruit large.

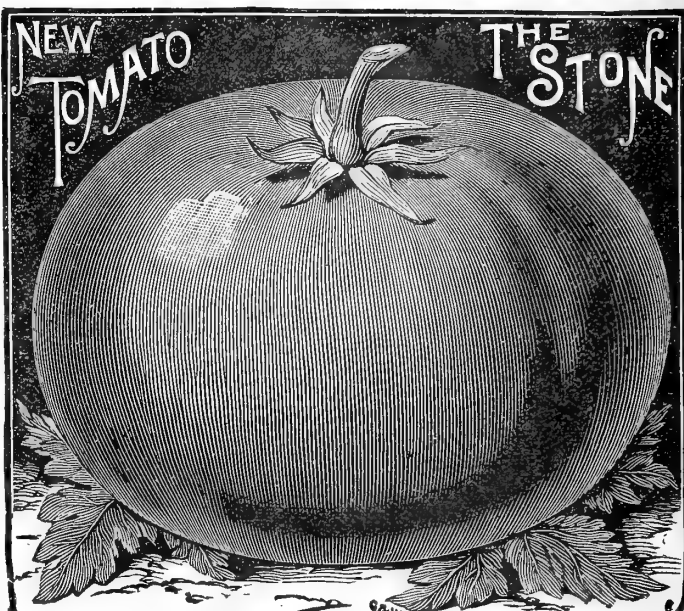
MARKET GARDENERS WRITE FOR SPECIAL PRICE LIST.

OUR TOMATO SEED IS TAKEN  
ONLY FROM THE SOUNDEST  
AND MOST PERFECT FRUIT.

**Stone.** This variety has obtained great favor with canners, southern growers, and market gardeners everywhere. Its solidity and carrying qualities are remarkable. Its color is a desirable red; in shape, perfectly smooth, and thicker from stem to blossom end than most varieties, making it very handsome and salable. Nobody finds any fault with this variety, but all speak in the highest terms of its beautiful color, its wonderful yielding qualities, its unequalled firmness, or some other of its good points.

*The Chicago market gardeners make money on Tomatoes grown from Leonard's Tomato Seed. It is always safe and satisfactory.*

PRICES OF ALL TOMATOES ON THIS PAGE, EXCEPT WHERE NOTED OTHERWISE, ARE: PKT., 5c.; 1-2 OZ., 15c.; OZ., 25c.; 1-4 LB., 60c.; POST-PAID.





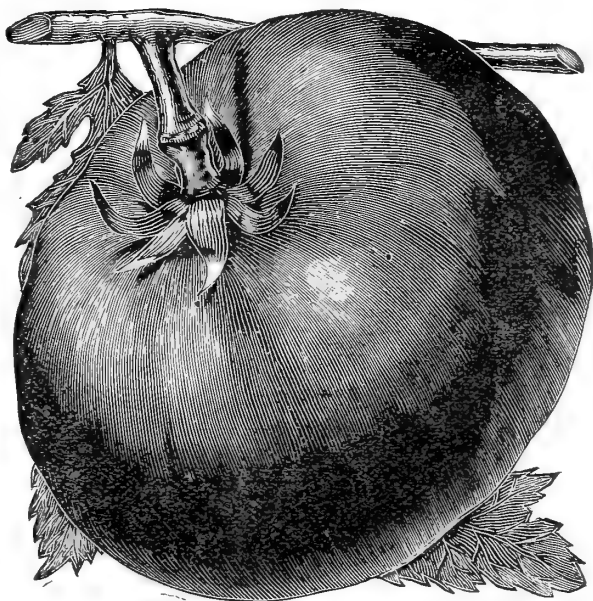
## TOMATO.

✓ **Beauty.** A decided favorite for either home market or shipping purposes, being early, hardy, a strong grower, productive, large size, always smooth, perfect in shape and excellent in quality. The color is a very glossy crimson, with a tinge of purple. It grows in clusters of four to six large fruits, retaining its large size late in the season. It ripens with Acme and Perfection, and is entirely free from ribbed and elongated fruit.

✓ **Mikado, or Turner's Hybrid.** One of the latest of the good market varieties. The vines are very distinct. Have a potato leaf appearance. In color, this sort is like the Acme, fine, large, smooth fruits.

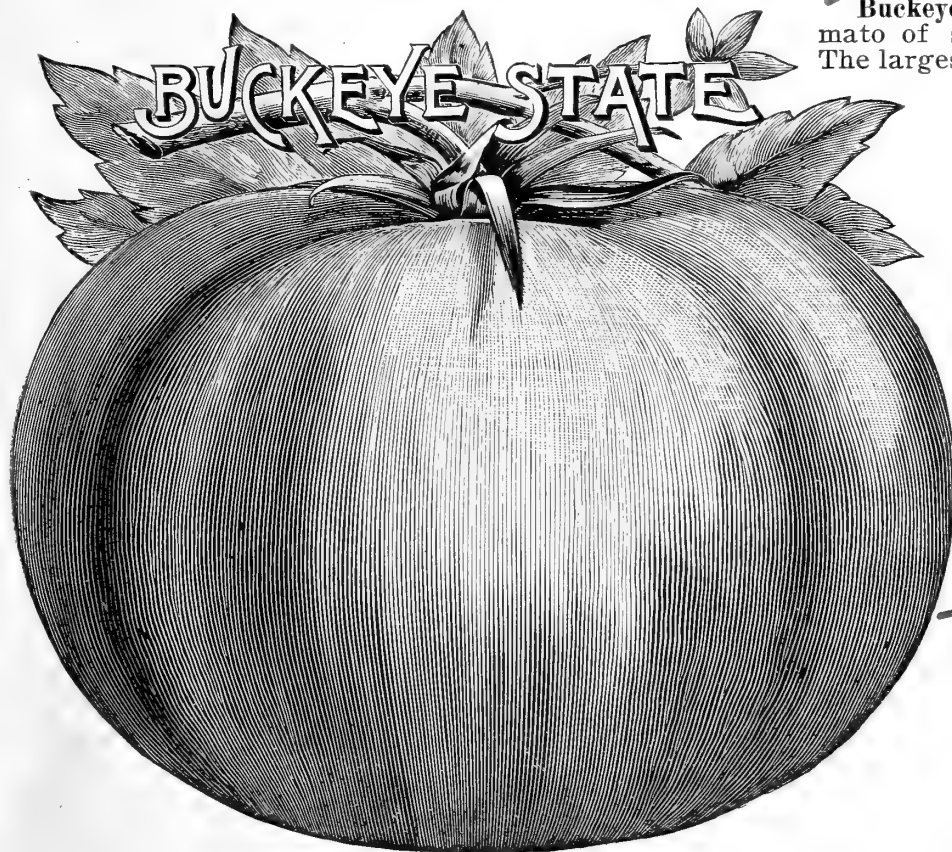
✓ **Ponderosa.** This variety when conditions are favorable, grows to an immense size and makes the heaviest fruit of any in the list. Our stock is from the original strain. None better.

✓ **Dwarf Aristocrat.** This fine *early variety* in habit of growth and foliage resembles the Dwarf Champion very much, and might be taken for that popular variety if it were not for the color of its beautiful rich, glossy red fruit, so much preferred in many localities to the purple or rose colored varieties. The size, solidity, productiveness, smoothness, flavor of its fruit, etc., is up to the present standard of excellence. It is desirable for forcing under glass, especially on the side benches, and for growing outside for early market purposes. It may be planted two by three feet, or even closer, making it also suitable for small gardens, where every foot of land is to be utilized.



THE BEAUTY.

✓ **Buckeye State.** A mammoth growing tomato of smooth form and extra quality. The largest fruited variety yet introduced.



✓ **Dwarf Champion.** This is a purple fruited variety, which forms very strong plants about two feet high. The branches are short, making a bushy plant that stands quite erect without stakes. This sort is often sold as Tree Tomato. Fruit smooth, medium sized, color purplish pink, fairly solid, but has no hard core, and is of good flavor. About as early as any purple fruited tomato, and is quite popular in some localities, both for market and home use.

✓ **Golden Queen.** A fine large yellow skinned tomato of splendid flavor. Good for slicing with the red for contrast.

✓ **Optimus.** One of the best table tomatoes. Vine medium sized, vigorous and strong. While not classed as a first early, it is reported by growers to ripen fully as early as many of the earliest, making an excellent forcing variety. The fruit is medium sized, oval, very smooth, and of a very bright crimson-scarlet color; very free

from cracks. The flesh is also crimson scarlet and very even, and excellent in flavor. For home use, as well as canning, the Optimus is one of the best.

✓ **Husk, or Ground Cherry.** This is a small sized fruit grown within a husk. It is valuable for preserving, for making into pies, or for eating from the hand. There are two colors, either of which we can supply as follows: Yellow Husk Tomato; Purple Husk Tomato. Either color. Pkt., 5c.; oz., 20c.

✓ **Yellow Peach.** A very beautiful variety, having a skin similar to a peach in texture, and of a deep lemon yellow. Pkt., 5c.; oz., 25c.; ¼ lb., 90c.

✓ **Acme.** One of the best standard sorts. Of a fine crimson purplish color. Shape is smooth, size large and uniform. For the market or home garden no sort is better.

✓ **Essex Hybrid.** Similar to the Acme in color and general appearance, but is considered a better shipper and keeper.

✓ **Scoville's Hybrid.** The best deep red sort. Excellent for canning.



HUSK TOMATO.

## TURNIP.

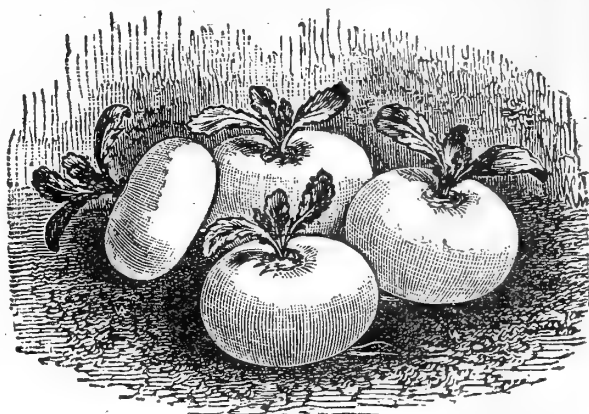
✓ **Extra Early White Milan Turnip.** The Purple Top Milan is one of our most popular turnips for spring sowing, but in this new sort we have a splendid extra early turnip in which the extreme earliness, small top and tap root of the Purple Top Milan is united with clear white skin and flesh. It will undoubtedly find a welcome in our markets, as, in addition to the heavy crop assured by its adaptability for close planting, it will be found to be fit for use at least a week earlier than any other pure white variety in cultivation.

✓ **Pomeranean White Globe.** This is one of the most productive kinds, and in good, rich soil roots will frequently grow to twelve pounds in weight. It is of perfect globe shape; skin white and smooth; leaves large and dark green.

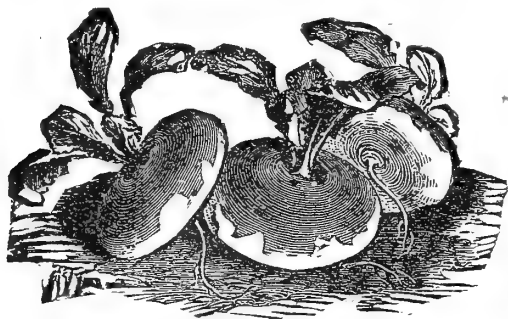
✓ **Early Snowball.** A perfectly globe shaped, white skinned turnip. It is exceedingly productive. The flesh is fine grained, firm and of very delicate flavor. It is one of the best keeping of the white fleshed sorts. Very early and particularly adapted for family or market use. We recommend it to market gardeners because its earliness and fine appearance make it a very profitable variety of turnip.

✓ **Early White Flat Dutch.** An excellent garden variety. The best for spring sowing.

✓ **White Egg.** Belongs to the class of quick growing fall turnips, and for this purpose should be sown, in this latitude, between August 10 and 25. Its shape is nearly oval or egg, as its name would indicate.



EXTRA EARLY WHITE MILAN.



EXTRA EARLY PURPLE TOP MILAN.

✓ **Purple Top White Globe.** An early variety. Globe shaped; heavy cropper. In other respects similar to the Red Top Strap Leaf. A handsome looking bulb, and is rapidly taking the lead of all other varieties of early turnips for market garden purposes.

✓ **Extra Early Purple Top Milan.** The earliest in cultivation, two weeks earlier than Purple Top Strap Leaf. The bulb is flat, of medium size, quite smooth with a purple top. Flesh white, hard and of finest quality. It is an extra good keeper.

✓ **Large White Norfolk.** The standard variety for field culture for feeding stock. Very large size.

✓ **Cow Horn.** This variety is pure white, except a little shade of green at the top, and is carrot-like in form, growing nearly half out of the ground, and slightly crooked. It is delicate and well flavored, of very rapid growth, and has obtained considerable favor as a market sort for fall and early winter use.

✓ **Sweet German.** This variety is very popular in many sections, notably so in the New England states. It partakes largely of the nature of the rutabaga, and should be sown a month earlier than the flat turnips. The flesh is white, hard, firm and sweet; keeps nearly as well as the rutabaga. Highly recommended for winter and spring use.

✓ **Seven Top.** Cultivated extensively in the south for the tops, which are used for greens. It is very hardy and will grow all winter, but does not produce a good root, and is only recommended for the tops.

✓ **Purple Top Munich.** The earliest variety after the Red Top Milan. Color white, with purplish white top.

✓ **Purple Top Strap Leaf.** Rapid grower and mild flavor, the most popular variety for early use, either for the table or stock.

✓ **Scarlet Kashmir.** A most distinct novelty; of such peculiar color that it has a striking resemblance to a large radish. "Unwarned judges would, no doubt, pronounce it one of those radishes so persistently complained of as tasting like turnips!" However, it is a turnip, and of most excellent flavor; of a deep, rich crimson above, shading to a soft crimson rose below.

## YELLOW FLESHED SORTS.

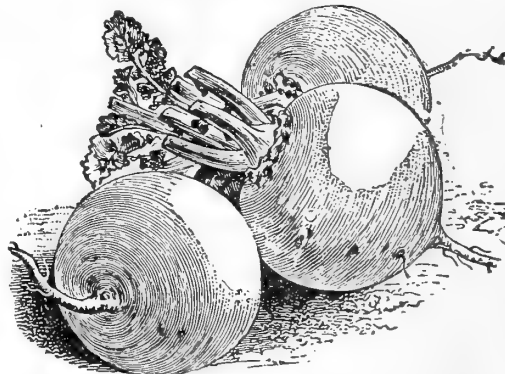
✓ **Yellow Aberdeen.** Very hardy and productive, a good keeper; globe shaped. Color pale yellow, with purple top. Very firm in texture, and closely resembling the Rutabagas in good keeping qualities. Good either for table or stock.

✓ **Large Amber Globe.** One of the best varieties for a field crop for stock. Flesh yellow, fine grained and sweet; color of skin yellow; top green. Hardy, keeps well, a good cropper. Very popular in the south.

✓ **Yellow Stone.** A very desirable sort. The roots are of medium size, uniformly globular and perfect in shape, smooth skinned and of pale yellow color. The flesh is crisp, tender and of fine quality.

✓ **Yellow Globe.** Very similar to the Yellow Stone and a very attractive sort.

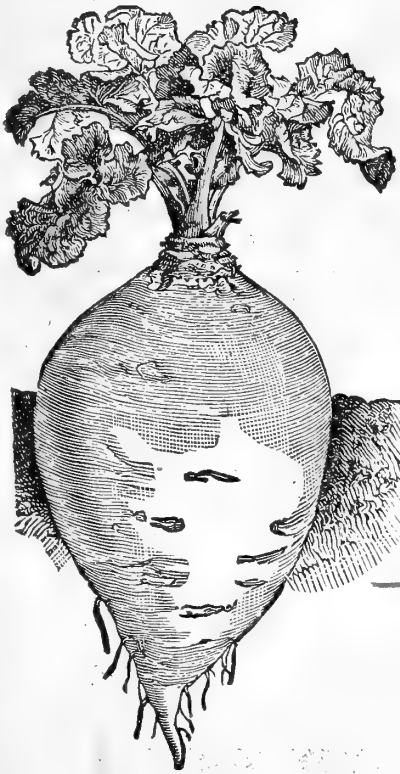
✓ **Orange Jelly, or Golden Ball.** Undoubtedly among the most delicate and sweetest yellow fleshed turnips yet introduced. Not of large size, but firm, hard and of most excellent flavor. Keeps well and is superior as a table variety. It is extensively used.



EARLY SNOWBALL.

PRICES OF ALL VARIETIES OF TURNIP ON THIS PAGE, EXCEPT WHERE NOTED OTHERWISE, ARE:

PKT., 3c.; 1-2 OZ., 5c.; OZ., 10c.; 1-4 LB., 20c.; LB., 60c.; POST-PAID.

**RUTABAGA.****SWEDISH TURNIP.**

WHITE RUTABAGA.

**White Rutabaga.** This variety is now very extensively cultivated, and preferred in many sections for its white flesh. It is very hardy and productive, keeps well until late in the spring, and is highly esteemed for its sweet, delicate flavor.

**Sweet German.** A superior variety for table or stock. Flesh firm, sweet and juicy.

**Laing's Improved.** One of the earliest of the rutabagas. Forms a handsome bulb of good quality. Keeps well; good for table use.

**Long White French.** A very delicate flavored variety. An excellent keeper and fine for table.

**Skirving's Purple Top.** A very heavy cropper. One of the best for field culture.

**Carter's Imperial Hardy.** An English variety resembling the preceding. Very productive and of fine quality.

**Monarch or Tankard.** This is a yellow fleshed sort, having very large, tankard shaped roots, with relatively small necks and tops. Color purplish crimson above ground, yellow below; flesh very solid, fine grained and of the best flavor. This very popular variety is also sold

as Hurst's Monarch and Carter's Elephant.

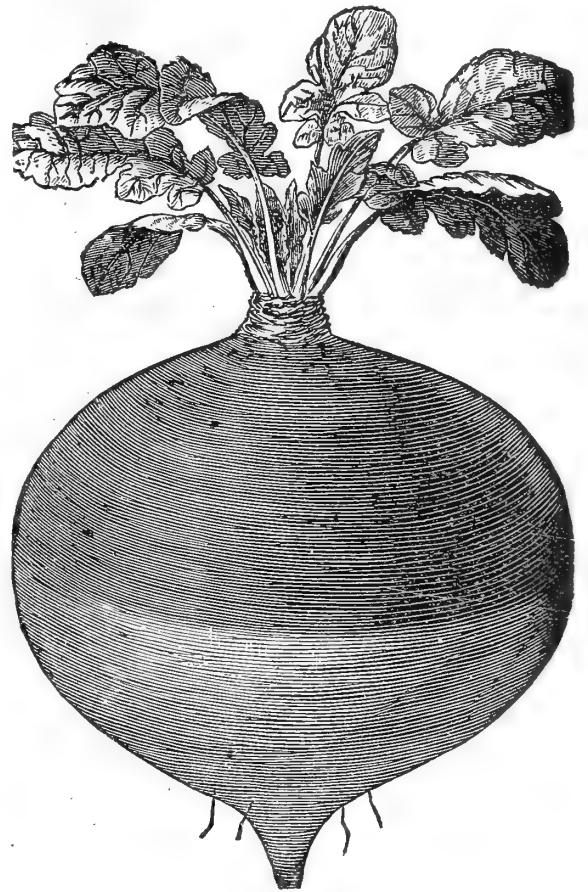
**Drummond's.** An improved strain of purple top Swede, excelling in uniformity of shape, color and quality. Considered by many an excellent table sort.

**Improved American.** The best yellow fleshed, purple top variety grown for stock or table.

**Budlong's White Rock.** Though sometimes called a turnip this is more like a rutabaga. The root is large, both skin and flesh very white, and it is one of the best varieties we have for table use. An excellent keeper and a desirable sort for market gardeners.

**Bangholm.** A very superior variety, both in form and quality, and held in high estimation in many parts of England. Of large size, small neck, few or no side roots, and yields well. Flesh, yellow, sweet and solid; skin yellow with purple top.

**PRICES OF ALL VARIETIES OF RUTABAGAS ARE: PKT., 3c.; OZ., 5c.; 1-4 LB., 20c.; LB., 60c.; POST-PAID.**



IMPROVED AMERICAN RUTABAGA.

**TOBACCO.**

**Pennsylvania Seed Leaf.** This is the variety mostly grown for cigars, and is of fine quality and excellent flavor. Pkt., 5c.; oz., 20c.; lb., \$2.00.

**Persian Rose.** A fine brand for cigars. Sells well. Pkt., 5c.; oz., 20c.

**Yellow Pryor.** A fine yellow sort, and succeeds well where others fail. Pkt., 5c.; oz., 20c.; lb., \$2.00.

**Blue Pryor.** This is the genuine article and a good sort. Pkt., 5c.; oz., 20c.

**General Grant.** Very early, and a good yielder. Pkt., 5c.; oz., 20c.; lb., \$2.00.

**CONNECTICUT SEED LEAF.** The best sort for cigar wrappers. Try it. Pkt., 5c.; oz., 20c.; lb., \$2.00.

**Havana.** This is the genuine article, and is first-class. Pkt., 5c.; oz., 20c.; lb., \$2.00.

**Ohio.** White leaved. A large yielder. Pkt., 5c.; oz., 20c.; lb., \$2.00.



CONNECTICUT SEED LEAF TOBACCO.



## MISCELLANEOUS SEEDS.



**AILANTHUS, OR TREE OF HEAVEN.**

in large quantities by hogs and poultry. They are very fattening, and grow in great quantities. The seed may be soaked to an advantage before planting. Pkt., 5c.; lb., 50c.

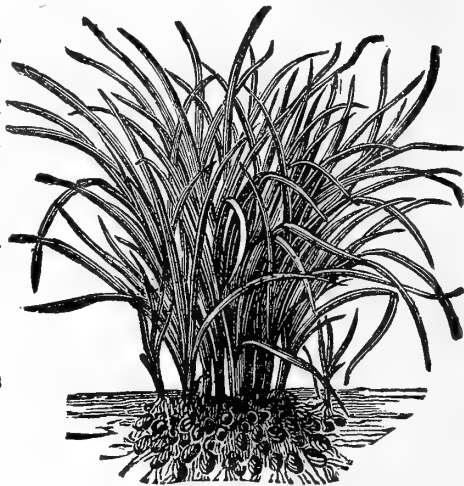
### AILANTHUS.

(TREE OF HEAVEN.)

This splendid ornamental tree is a native of China, where it is called the Tree of Heaven, from its great beauty. It is very hardy, and thrives in any soil, no matter how poor, and grows from 6 to 10 feet high from seed the first summer. The leaves, from 5 to 6 feet in length, give it a grand appearance. Nothing outside the tropics can rival it for lawn decoration. Large panicles of bloom, followed in season by great clusters of colored seed pods, make the tree a continual thing of beauty. The cut represents a portion of a tree in bloom, and also a seedling tree four months from sowing. For beautifying lawns and flower beds nothing can be finer, they being even more beautiful than Ricinus or Cannas. Pkt., 5c.

### CHUFAS.

This is an underground product, growing near the surface and easily reached. The nuts resemble almonds in taste, and are eaten



**CHUFAS, OR EARTH ALMONDS.**

### BIRD SEED.

We carry a complete stock of bird seed and furnish the best. Prices subject to market changes. Add 10 cents per pound if to go by mail.

**Mixed Bird Seed.** Lb., 5c.

**Canary.** Lb., 5c.

**Rape.** Lb., 5c.

**Millet.** Lb., 5c.; 10 lbs., 40c.

**Hemp.** Lb., 5c.; 10 lbs., 40c.

**Sunflower.** Lb., 8c.; 10 lbs., 50c.

**Lettuce Seeds for Birds.** Oz., 5c.;  $\frac{1}{4}$  lb., 15c.; lb., 40c.

### PEANUTS.

Peanuts can be raised with but little expense, and are an exceedingly productive and paying crop. They are planted in much the same manner as potatoes, and require but little care beyond hilling up the young plants.

**Spanish.** This variety is smaller and sweeter than the common, or Virginia. Plants grow upright and strong, and are easily harvested. Pkt., 10c.; pt., 25c.; qt., 50c.

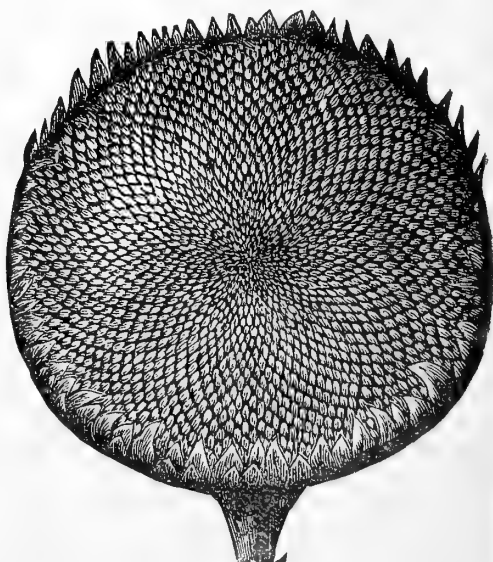
**Virginia.** This is the common peanut grown in the south. Pkt., 10c.; pt., 25c.; qt., 50c.; post-paid.

### RUSSIAN SUNFLOWER.

This is highly prized by poultry raisers and farmers as a cheap food for fowls. It is immensely productive and can be raised cheaper than corn, as any waste piece of ground will suffice. It is the best egg producing food known. Prepaid: Oz., 5c.;  $\frac{1}{4}$  lb., 10c.; lb., 20c. Not prepaid: 10 lbs., 50c.; 25 lbs., \$1; 100 lbs., \$3.50.



**SPANISH PEANUTS.**



**RUSSIAN SUNFLOWER.**

**WHEN SHIPPED AT THE EXPENSE OF PURCHASER.**

*These prices are subject to change as season advances, depending on shortage or surplus of stock.*

**MARKET GARDENERS OR OTHER LARGE BUYERS SHOULD WRITE FOR SPECIAL PRICES.**

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**BULK PRICE LIST—Continued.****CAULIFLOWER—Continued.**

	Oz.	Bu.
Early Erfurt.....	\$2.00	\$20.00
Extra Early Paris.....	.50	7.50
Early Paris or Nonpareil.....	.50	7.00
Lenormand's Short Stem.....	.75	8.50
Autumn Giant.....	.50	6.00
Late Algiers.....	.50	6.00

**CELERY.**

	Lb.	5 Lbs.
Golden Self-Blanching.....	\$3.00	.....
Rose Ribbed Paris.....	2.90	.....
Pink Plume.....	2.40	.....
White Plume.....	2.00	.....
Shumacher.....	2.00	\$ 8.75
Dwarf Golden Heart.....	2.00	8.75
Boston Market.....	2.00	8.75
Giant Pascal.....	2.00	8.75
Giant White Solid.....	1.40	7.00
Evans Triumph.....	2.00	8.75
Crawford's Half Dwarf.....	2.00	8.75
Giant Golden Heart.....	2.00	8.75
Perfection Heartwell.....	2.00	8.75
Dwarf Kalamazoo.....	2.00	8.75
New Rose.....	2.40	.....
Apple Shaped Celeriac.....	.....	.....
Smooth Prague Celeriac.....	2.00	8.75
Erfurt Large Celeriac.....	2.00	.....
Soup or Cutting Celery.....	.90	4.00
Celery Seed, for flavoring.....	.50	2.00

**SWEET CORN.**

	Qt.	Bu.
Cory.....	\$0.20	\$ 3.00
White Cob Cory.....	.20	3.00
Chicago Market.....	.20	3.00
Mammoth White Cory.....	.20	3.00
First of All.....	.20	3.00
Early Maine.....	.20	3.00
Extra Early Adams.....	.20	2.75
Perry's Hybrid.....	.20	3.00
Early Adams.....	.20	2.75
Early Minnesota.....	.20	3.00
Early Crosby.....	.20	3.00
Champion.....	.20	3.00
Moore's Early Concord.....	.20	3.00
Stabler's.....	.20	3.00
Shaker's.....	.20	3.00
Early Evergreen.....	.20	3.00
None Such.....	.20	3.00
Early Mammoth.....	.20	3.00
Potter's Excelsior.....	.20	3.00
Triumph.....	.20	3.00
Shoe Peg.....	.20	3.00
Country Gentleman.....	.20	3.00
Zig-Zag Evergreen.....	.20	3.00
Hickox Improved.....	.20	3.00
Old Colony.....	.20	3.00
Egyptian.....	.20	3.00
Stowell's Evergreen.....	.20	3.00
Mammoth.....	.20	3.00

**CUCUMBER.**

	Lb.	5 Lbs.
West India Gherkin.....	\$1.25	.....
Early Russian.....	.50	\$ 2.25
Early Cluster.....	.50	2.25
Green Prolific.....	.50	2.25
Early Frame.....	.50	2.25
Chicago Pickle.....	.50	2.25
Jersey Pickling.....	.50	2.25
Everbearing.....	.50	2.25
Improved Long Green.....	.50	2.25
Nichols' Medium Green.....	.50	2.25

**CUCUMBER—Continued.**

	Lb.	5 Lbs.
Parisian Pickling.....	\$0.50	\$ 2.25
Livingston's Evergreen.....	.50	2.25
Early White Spine.....	.50	2.25
Peerless White Spine.....	.50	2.25
Evergreen White Spine.....	.50	2.25
Arlington White Spine.....	.50	2.25
Cool and Crisp.....	.50	2.25
White Wonder.....	.50	2.25
Albino.....	.50	2.25
Giant Pera.....	1.00	.....
Emerald.....	.50	.....
Japanese Climbing.....	.50	.....
Goliath.....	1.00	.....

**KALE.**

	Lb.	5 Lbs.
Dwarf Curled Scotch.....	\$0.60	\$ 2.50
Half Dwarf Moss Curled.....	.60	2.50
Siberian or Sprouts.....	.60	2.50
Tall Curled Scotch.....	.60	2.50
Dwarf German Purple.....	.60	2.50

**KOHL-RABI.**

	Lb.	5 Lbs.
Early White Vienna.....	\$2.00	.....
Large Green.....	1.50	.....
Early Purple Vienna.....	2.00	.....

**LEEK.**

	Lb.	5 Lbs.
London Flag.....	\$1.10	\$ 5.00
Large American Flag.....	1.10	5.00
Rouen, Large Winter.....	1.10	5.00
Large Musselburg.....	1.10	5.00
Monstrous Carentan.....	1.10	5.00

**LETTUCE.**

	Lb.	5 Lbs.
Black Seeded Simpson.....	\$0.90	\$ 4.00
Early Curled Silesia.....	.90	4.00
Grand Rapids.....	.90	4.00
Early Curled Simpson.....	.90	4.00
Tilton's White Star.....	.90	4.00
Boston Curled.....	.90	4.00
The Morse.....	.90	4.00
Denver Market.....	.90	4.00
Prize Head.....	.90	4.00
Improved Hanson.....	.90	4.00
Tomhannock.....	.90	4.00
Iceberg.....	.90	4.00
W. S. Tennis Ball.....	.90	4.00
Boston Market.....	.90	4.00
Tennis Ball.....	.90	4.00
Silver Ball.....	.90	4.00
Buttercup.....	.90	4.00
St. Louis Butter.....	.90	4.00
Royal Summer Cabbage.....	.90	4.00
Big Boston.....	1.50	.....
White Summer Cabbage.....	.90	4.00
Defiance.....	.90	4.00
Hubbard's Market.....	.90	4.00
New York.....	.90	4.00
California Cream Butter.....	.90	4.00
All Year Round.....	.90	4.00
Salamander.....	.90	4.00
Golden Stonehead.....	.90	4.00
Improved Chartier.....	.90	4.00
Blonde Blockhead.....	.90	4.00
Philadelphia Butter.....	.90	4.00
Black Seeded Butter.....	.90	4.00
Brown Dutch.....	.90	4.00
Large Drumhead.....	.90	4.00
Speckled Dutch Butter.....	.90	4.00
Tom Thumb.....	.90	4.00

**LETTUCE—Cont'd**

	Lb.	5 Lbs.
Mignonette.....	\$0.90	\$ 4.00
Marblehead Mammoth.....	.90	4.00
Early White Cos.....	.90	4.00
Romaine or Paris Cos.....	.90	4.00

**MUSK MELON.**

	Lb.	5 Lbs.
Rocky Ford.....	\$0.50	\$ 2.25
Jenny Lind.....	.50	2.25
Netted Gem.....	.50	2.25
Early Nutmeg.....	.50	2.25
Skillman's Netted.....	.50	2.25
Early Hackensack.....	.50	2.25
Large Hackensack.....	.50	2.25
Chicago Market Nutmeg.....	.50	2.25
Melrose.....	.50	2.25
Jersey Belle.....	.50	2.25
Long Island Beauty.....	.50	2.25
Early Netted Citron.....	.50	2.25
Shumway's Giant.....	.50	2.25
Montreal Market.....	.50	2.25
Acme or Baltimore.....	.50	2.25
Cosmopolitan.....	.50	2.25
Columbus.....	.50	2.25
Improved Cantaloupe.....	.50	2.25
Champion Market.....	.50	2.25
White Japan.....	.50	2.25
Bay View.....	.50	2.25
Vine Peach.....	.75	.....
Garden Lemon.....	1.00	.....
Casaba.....	.50	2.25
Pine Apple.....	.50	2.25
Paul Rose.....	.50	2.25
Emerald Gem.....	.50	2.25
Princess.....	.50	2.25
Osage.....	.50	2.25
McCotter's Pride.....	.50	2.25
Banquet.....	.50	2.25
Delmonico.....	.50	2.25
Tip Top.....	.50	2.25
Beck's Triumph.....	.50	2.25
Surprise.....	.50	2.25
Banana.....	.50	2.25
Ornamental Pomegranate.....	1.00	.....

**WATER MELON.**

	Lb.	5 Lbs.
Phinney's Early.....	\$0.50	\$ 2.25
Vick's Early.....	.50	2.25
Cole's Early.....	.50	2.25
Gypsy or Rattlesnake.....	.50	2.25
Peerless.....	.50	2.25
Sweetheart.....	.50	2.25
Dixie.....	.50	2.25
Florida Favorite.....	.50	2.25
Kolb's Gem.....	.50	2.25
Seminole.....	.50	2.25
Black Diamond.....	.50	2.25
Kentucky Wonder.....	.50	2.25
The Boss.....	.50	2.25
Pride of Georgia.....	.50	2.25
Ironclad.....	.50	2.25
Black Spanish.....	.50	2.25
Light Icing.....	.50	2.25
Dark Icing.....	.50	2.25
Jumbo.....	.50	2.25
Cuban Queen.....	.50	2.25
Delaware.....	.50	2.25
Mountain Sweet.....	.50	2.25
Scaly Bark.....	.50	2.25
Ice Cream.....	.50	2.25
Monte Cristo.....	.50	2.25
Triumph.....	.50	2.25
McIver's Sugar.....	.50	2.25



**BULK PRICE LIST—Continued.****WATER MELON—Continued.**

	LB.	5 LBS.
Kleckly Sweets.....	\$0.50	\$ 2.25
Hungarian Honey.....	.50	2.25
Girardeau's Favorite...	.50	2.25
Duke Jones.....	.50	2.25
Red Seed Citron.....	.50	2.25
Green Seed Citron.....	.50	2.25

**ONION.**

	LB.	5 LBS.
Leonard's Cracker.....	\$1.25	\$ 5.50
Early Flat Danvers.....	.90	3.75
Yellow Strasburg.....	.90	3.75
Australian Brown.....	1.20	5.00
Yellow Globe Danvers...	1.00	4.50
Michigan Yellow Globe...	1.00	4.50
Ohio Yellow Globe.....	1.25	5.50
Leonard's Yellow Globe...	1.50	7.50
Southport Yellow Globe...	1.00	4.50
Prize Taker.....	1.20	5.00
Extra Early Flat Red...	1.20	5.00
Large Red Wethersfield...	.90	
Louisiana Creole.....	1.00	5.00
Leonard's Red Globe...	1.50	7.50
Southport Red Globe...	1.00	4.50
Red Victoria.....	1.00	4.50
White Portugal.....	1.75	8.75
Philadelphia Silver Skin...	1.75	8.50
Early White Pearl.....	1.50	7.00
Leonard's White Globe...	2.00	9.50
Southport White Globe...	1.75	8.00
White Victoria.....	1.25	
Red Bermuda.....	1.50	
White Bermuda.....	1.50	7.00
White Barletta.....	1.50	7.00
White Queen.....	1.50	
Neapolitan Marzajola...	1.25	
Mammoth Silver King...	1.25	
White Italian Tripoli...	1.25	
White Rocca.....	1.25	
Yellow Rocca.....	1.25	
Spanish King.....	1.25	
Red Rocca.....	1.25	
Mammoth Pompeii.....	1.25	
Copper King.....	1.25	

**PARSLEY.**

	LB.	5 LBS.
Plain or Single.....	\$0.50	\$ 4.00
Double Curled.....	.50	4.00
Champion Moss Curled...	.50	4.00
Fern Leaf.....	.50	4.00
Triple Curled.....	.50	4.00
Hamburg or Rooted.....	.50	4.00

**PARSNIP.**

	LB.	5 LBS.
Improved Hollow Crown...	\$0.50	\$ 4.00
Guernsey Improved.....	.50	4.00
Long White Dutch.....	.50	4.00

**PEAS.**

	QT.	BU.
Leonard's First and Best	\$0.25	\$ 5.00
Maud S.....	.25	5.00
Philadelphia Extra Early	.25	5.00
First and Best.....	.20	4.00
Daniel O'Rourke.....	.20	4.00
Tom Thumb.....	.25	5.00
Alaska.....	.25	6.00
Blue Peter.....	.25	4.00
American Wonder.....	.25	6.00
Little Gem.....	.25	5.50
Nott's Excelsior.....	.25	6.00

**PEAS—Continued.**

	QT.	BU.
Premium Gem.....	\$0.25	5.50
Surprise.....	.25	6.00
Eclipse.....	.25	6.00
Gradus or Prosperity...	.35	10.00
William Hurst.....	.25	6.00
Blue Beauty.....	.25	4.00
Telegraph.....	.25	5.00
Long Island Mammoth...	.25	5.00
French Canner.....	.20	4.00
Blue Imperial.....	.20	4.00
McLean's Advancer.....	.25	5.00
Abundance.....	.25	5.00
Hosford's Market Garden	.25	5.00
Everbearing.....	.25	4.00
Admiral.....	.20	4.00
Dwarf Telephone.....	.25	6.00
Duke of York.....	.25	5.00
Pride of the Market.....	.25	5.00
Large White Marrowfat...	.20	2.50
Black Eyed Marrowfat...	.20	2.50
Improved Sugar Marrow	.25	4.00
Telephone.....	.20	4.50
Duke of Albany.....	.20	4.50
Stratagem.....	.25	5.00
Shropshire Hero.....	.25	4.00
Champion of England...	.25	4.00
Forty Fold.....	.25	4.00
Sharpe's Queen.....	.25	5.00
Yorkshire Hero.....	.25	4.00
Juno.....	.25	5.00
Dwarf Sugar.....	.25	7.00
Melting Sugar.....	.25	7.00

**PUMPKIN.**

	LB.	5 LBS.
Small Sugar.....	\$0.40	\$ 2.00
Japanese Pie.....	.70	3.00
Connecticut Field.....	.25	1.25
Mammoth Tours.....	.70	3.00
Mammoth Potiron.....	1.40	
Cushaw or Crookneck...	.50	2.50
Winter Queen or Luxury	.50	2.50
Large Cheese.....	.40	2.00
Golden Oblong.....	.60	3.00
Pie.....	.50	2.50
Calhoun.....	.50	2.50
Tennessee Sweet Potato.	.50	2.50

**RADISH.**

	LB.	5 LBS.
Leonard's Three Leaf...	\$0.60	\$ 2.75
Olive Leafless Forcing...	.65	3.00
Non Plus Ultra.....	.65	3.00
White Tipped Forcing...	.65	3.00
Early Scarlet Globe.....	.60	2.75
Triumph.....	1.50	
Long Scarlet Short Top...	.50	2.25
Wood's Early Frame.....	.50	2.25
Cincinnati Market.....	.50	2.25
Colorado Glass.....	.50	2.25
White Icicle.....	.50	2.25
Early Scarlet Turnip...	.50	2.25
Deep Scarlet Turnip...	.50	2.25
Scarlet Olive.....	.50	2.25
Carmin Turnip.....	.50	2.25
Rosy Gem.....	.50	2.25
White Tipped Scarlet Turnip	.50	2.25
French Breakfast.....	.50	2.25
Early White Turnip...	.50	2.25
White Olive.....	.50	2.25
Early Yellow Turnip...	.50	2.25
Half Long Deep Scarlet	.50	2.25
Long Brightest Scarlet...	.50	2.25

**RADISH—Cont'd.**

	LB.	5 LBS.
Improved Chartier.....	\$0.50	\$ 2.25
Long White Vienna.....	.50	2.25
Long White Pearl.....	.50	2.25
White Strasburg.....	.50	2.25
White Summer Turnip...	.50	2.25
White Stuttgart.....	.50	2.25
Yellow Summer Turnip...	.50	2.25
Gray Summer Turnip...	.50	2.25
Rose China Winter.....	.50	2.25
White China or Celestial	.50	2.25
California Mammoth.....	.50	2.25
Large White Spanish...	.50	2.25
Round Black Spanish...	.50	2.25
Long Black Spanish.....	.50	2.25

**SALSIFY.**

	LB.	5 LBS.
Large White.....	\$0.70	\$ 3.50
Sandwich Island.....	.90	4.50

**SQUASH.**

	LB.	5 LBS.
Leonard's Straightneck...	\$0.60	\$ 2.75
Leonard's Crookneck...	.60	2.75
Summer Crookneck.....	.60	2.75
Leonard's White Bush...	.60	2.75
Early White Bush.....	.60	2.75
White Summer Crookneck	.60	2.75
Strickler's Summer.....	.60	2.75
Colvin's Orange Marrow	.50	2.50
Boston Marrow.....	.50	2.50
Sibley or Pike's Peak...	.50	2.50
Essex Hybrid.....	.60	2.75
Red or Golden Hubbard...	.60	2.75
Mammoth Chili.....	1.25	
Fordhook.....	.80	4.00
Hubbard.....	.80	4.00
Marblehead.....	.60	2.75
Leonard's Warty Hubbard	1.00	5.00

**TURNIP.**

	LB.	5 LBS.
Early White Milan.....	\$0.65	\$ 3.00
Early Purple Top Milan...	.65	3.00
Early Snowball.....	.40	2.00
White Flat Dutch.....	.35	1.75
Purple Top Strap Leaved	.35	1.75
Purple Top White Globe...	.35	1.75
Cow Horn or Long White	.40	2.00
Large White Norfolk...	.35	1.75
Large Red Top Norfolk...	.35	1.75
White Egg.....	.40	2.00
Pomeranian White Globe	.35	1.75
Sweet German.....	.35	1.75
Seven Top.....	.35	1.75
Scarlet Kashmyr.....	.70	
Golden Ball.....	.35	1.75
Purple Top Aberdeen...	.35	1.75
Amber Globe.....	.35	1.75
Orange Jelly.....	.35	1.75
Green Top Aberdeen...	.35	1.75
Yellow Stone.....	.35	1.75
Yellow Globe.....	.35	1.75

**RUTA BAGA.**

	LB.	5 LBS.
Improved American.....	\$0.35	\$ 1.75
English Purple Top.....	.35	1.75
Laing's Improved.....	.35	1.75
Skirvings.....	.35	1.75
Carter's Purple Top.....	.35	1.75
White Ruta Baga.....	.35	1.75
Monarch or Tankard...	.35	1.75
Budlong's White Rock...	.35	1.75

## SEED POTATOES.

RED RIVER  
STOCK.

Potatoes are not shipped until we consider it safe from frost. We use our best judgment as to time. It must be understood, however, that unforeseen cold snaps and delays at country depots sometimes freeze potatoes, and for this we must not be held accountable.

We exercise care in the selection of our Seed Potatoes, and all the varieties offered in this catalogue are secured from points where experience has shown that the best type of the variety grows.

**Acme.** A fine early sort of the Ohio type, claimed to be earlier than Ohio, but not found so by the gardeners here. Pk., 90c.; bu., \$1.50; bbl., \$4.

**White Ohio.** Similar to Early Ohio, but color of skin white instead of rose color. A very good early potato. Pk., \$1; bu., \$1.75; bbl., \$4.25.

**Bliss Triumph.** The earliest potato of all. Very popular in the south, where two crops are grown in a year. Pk., \$1; bu., \$1.75; bbl., \$4.50.

**Bovee.** A very popular sort in many sections. A handsome potato and a good cropper. Similar to Acme. Pk., \$1; bu., \$1.75; bbl., \$4.50.

**Early Ohio.** The standard early market potato gives better satisfaction than any other. More of this sort are sold than of all the other early varieties combined. Pk., \$1; bu., \$1.75; bbl., \$4.25.

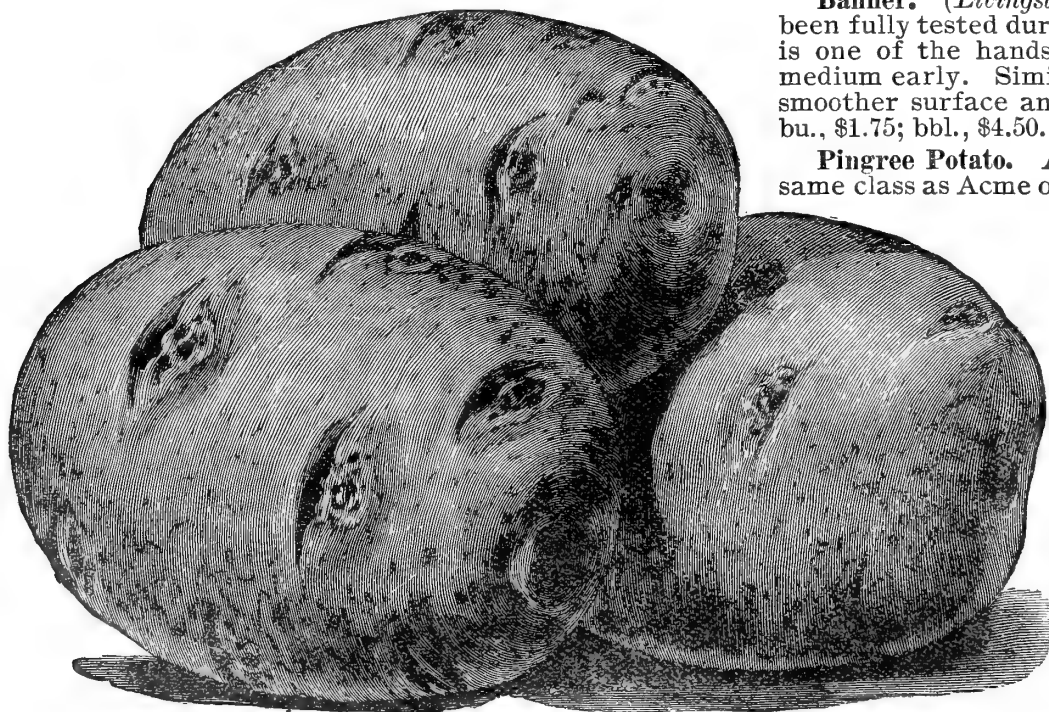
**The Livingston.** An ideal potato for main crop. Handsome in appearance and a heavy cropper. Pk., \$1; bu., \$1.75; bbl., \$4.50.

**Early Rose.** This well known variety is still very popular. Pure seed is hard to get. Ours is as pure as any to be had. Pk., 90c.; bu., \$1.50; bbl., \$4.

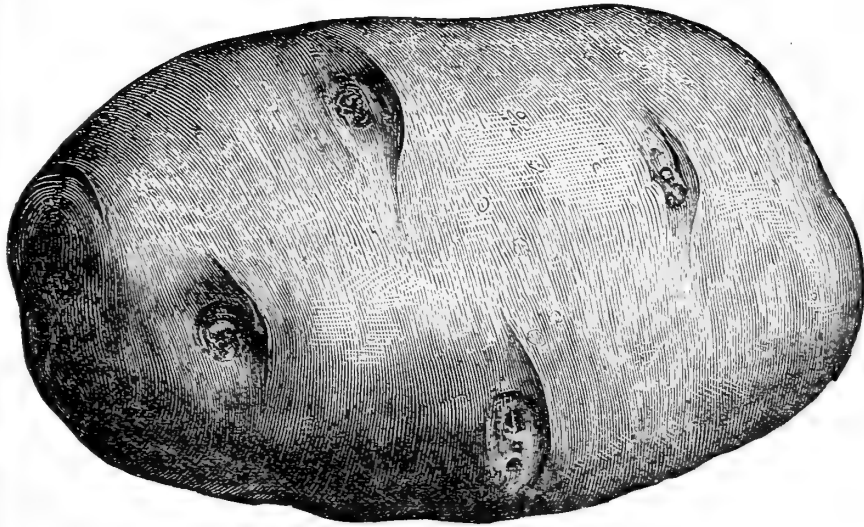
**Banner.** (*Livingston's.*) This fine potato has been fully tested during the past six years. It is one of the handsomest potatoes we have; medium early. Similar to Rural No. 2, but of smoother surface and better quality. Pk., \$1; bu., \$1.75; bbl., \$4.50.

**Pingree Potato.** A fine early potato, of the same class as Acme or Bovee. A strong, hardy grower and a first-class potato. Pk., \$1; bu., \$1.75; bbl., \$4.50.

**Early Six Weeks Market.** This, it is claimed, is earlier than the Ohio, a seedling of which it is. We do not find it much earlier than the old Ohio, but it is of pure blood, and is in reality a true Ohio. We have grown this stock since 1898, and have it as pure as it is to be had. Some Chicago gardeners who have grown it for the past few years in place of the old Ohio, are satisfied that it is a better potato. Pk., \$1; bu., \$1.75; bbl., \$4.50.



EARLY SIX WEEKS MARKET.



CROWN JEWEL.

## SEED POTATOES.

The potatoes we list are all tried kinds. It will pay you to change your seed, even though you may have seed of your own.

**Crown Jewel.** Extra early of Hebron type. The best variety for family use in the list. Pk., \$1.00; bu., \$1.75; bbl., \$4.50.

**Sir Walter Raleigh.** A fine main crop potato, claimed to be better than Carman No. 3. Pk., \$1.00; bu., \$1.75; bbl., \$4.50.

### WE OFFER THESE STANDARD SORTS:

Uncle Sam.  
American Wonder.  
Early Norther.  
Great Divide.

Maggie Murphy.  
Early Beauty of Hebron.  
Late Hebron.  
White Elephant.

White Star.  
Burbank's Seedling.  
Rural New Yorker No. 2.  
Empire State.

Burpee's Superior.  
St. Patrick.  
Green Mountain.  
Carman No. 3.

At uniform price. Pk., 75c.; bu., \$1.50; bbl., \$4.00.

**Pat's Choice.** A potato originating in Minnesota and introduced by S. S. Olds, of Wisconsin, in 1900. It is a medium late variety. Tubers long, having a pinkish tinge which always denotes good quality. This potato is worth trying. Pk., \$1.00; bu., \$1.75; bbl., \$4.50.

**McKinley.** A solid, substantial, safe potato. It is of large size, handsome form and a splendid keeper. The illustration shows the netting, which is a guarantee of a fine, dry mealy potato. It is a fine cooker; whether baked or boiled, it comes out floury and delicious. Pk., \$1.00; bu., \$1.75; bbl., \$4.50.

## SWEET POTATOES.

These potatoes are grown for seed purposes, and have not been kiln dried. We do not ship until April, as they are apt to freeze and rot. Orders should be placed early, as prices may advance later in the season. Sweet potatoes to go long distances should be sent by express. It costs more, but they spoil very soon and freight is slow sometimes. Pecks cannot be sent by any other way satisfactorily. Do not ask us to ship a peck of sweets by freight.

**Extra Early Carolina.** Extra early, bright yellow color, large cropper. Highly recommended, especially for all northern sections.

**Early Golden.** Extra early, larger size than preceding, but not as mealy. Good yielder.

**Red Bermuda.** Early variety, heavy yielder, light red color; in some sections called Red Yam.

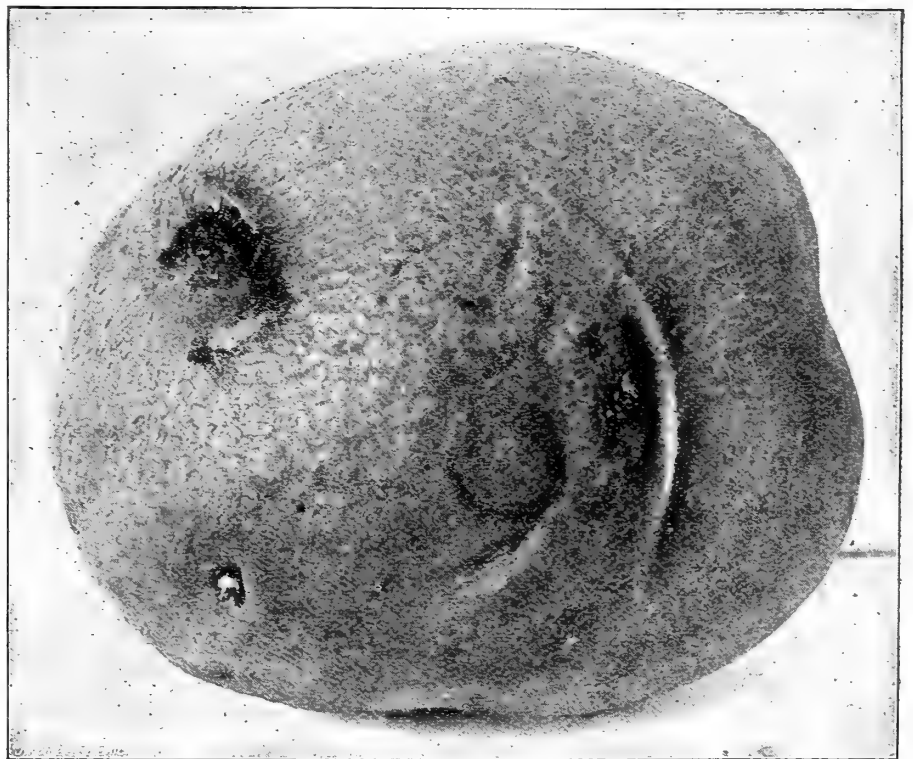
**Southern Queen.** Early, improvement on the White Bahama, or Yam. Large size.

**Yellow Nansemond.** Standard variety for main crop. Good keeper and of fine flavor.

**Yellow Jersey.** Similar to the preceding, only shorter and thicker in size.

**Red Nansemond.** Differs from the Yellow Nansemond only in color.

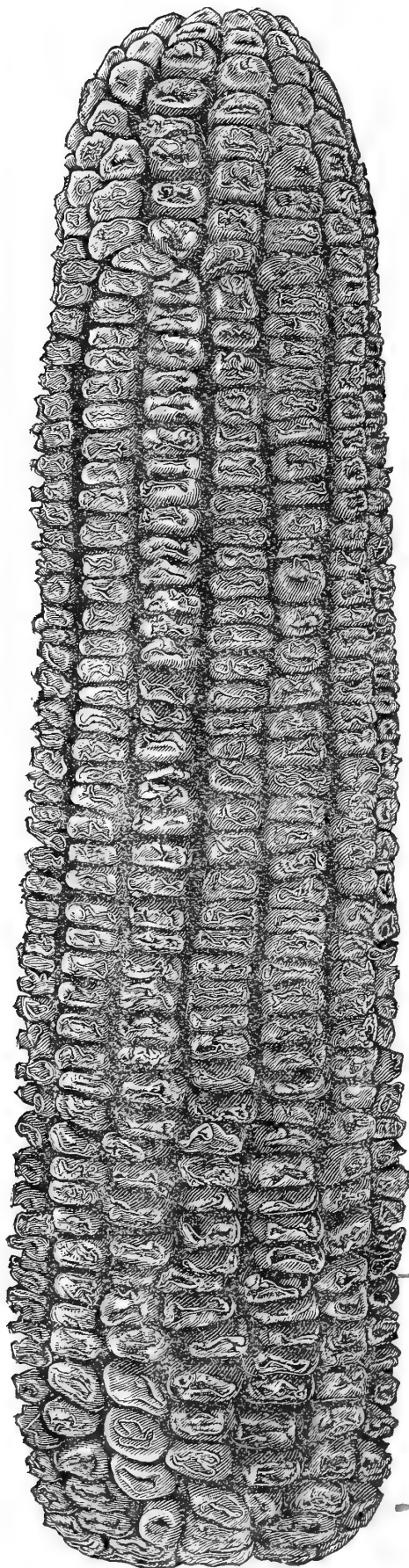
**PRICES OF ALL SWEET POTATOES: PK., \$1.00; BU., \$1.75; BBL., \$3.50.**



MCKINLEY POTATO.



## FIELD CORN.



IOWA GOLD MINE.

✓ **Pride of the North.** This famous corn still retains its popularity as an exceedingly early and prolific variety, always maturing in ninety days; often shelling sixty-two pounds of grain from seventy pounds of ears. Kernels closely set, large, of deep orange color; cob very small and red; stalks about seven feet in height. This is, probably, the best Dent corn for general cultivation in the north, and is now largely used in the south and west, as it matures its crop before the hot winds affect it. We offer pedigree seed grown from the original stock with care. This corn is not fully appreciated until the large yield and small percentage of cob to corn is carefully noted. There is no yellow Dent corn yet discovered that can take the place of this most valuable variety. It is a safe corn for any section of country, never disappoints the grower by maturing too late, yields more corn acre for acre than any other, and has by far the most satisfactory record of any yellow dent corn ever introduced. Lb., 20c.; 3 lbs., 50c., post-paid.

✓ **Iowa Gold Mine.** A splendid new yellow corn. Every one who has tried it is enthusiastic in the praise of this splendid new variety which was introduced in 1892. It has everywhere received the most cordial endorsement as one of the best and most profitable varieties ever grown. This variety originated as follows: Ten years ago a special premium offer brought sample ears of corn from several hundred farmers and seed growers, and from these we chose the one which was most decidedly the best, and have been selecting and improving it until it is about as near perfection as corn can be made. It is early, ripening only a few days later than Pride of the North. Ears are of good size and symmetrical; color a bright golden yellow, as handsome as a twenty-dollar gold coin just from the mint; grain is very deep, cob small, and therefore dries out very quickly as soon as ripe. Seventy pounds of ear corn make sixty to sixty-two pounds of shelled corn, and in hauling to market it weighs out five bushels more to the wagon load than common varieties in the same size wagon. Lb., 20c.; 3 lbs., 50c.; post-paid.

✓ **Iowa Silver Mine.** The Iowa Silver Mine is a splendid new white corn. We believe that in its yield it will surpass all other varieties of any color. In 1894, the poor corn year, only three-fourths of an acre was planted, yet it yielded just seventy-three bushels, or at the rate of ninety-seven and one-third bushels to the acre. It has no barren stalks. The ears are very even in size, being but little smaller at the tip than at the butt, and corn is well filled out over the tip. Seventy pounds of corn in the ear will make sixty-two pounds shelled. It is in every way a distinct type of corn, and possesses many of the characteristics which have made the Iowa Gold Mine so popular, while the ear is larger. We stake our reputation upon this corn giving excellent and entire satisfaction, and that it is an entirely new origination and not an old sort under a new name. It is hardy, a great drought resister, and summing it all up, the best white corn ever introduced, the acme of perfection, unsurpassed and unsurpassable. Don't fail to try it. Large pkt., 5c.; lb., 20c.; 3 lbs., 50c.; post-paid.

— **North Star Yellow Dent.** One of the best early Dents. A safe variety to ripen in any locality.

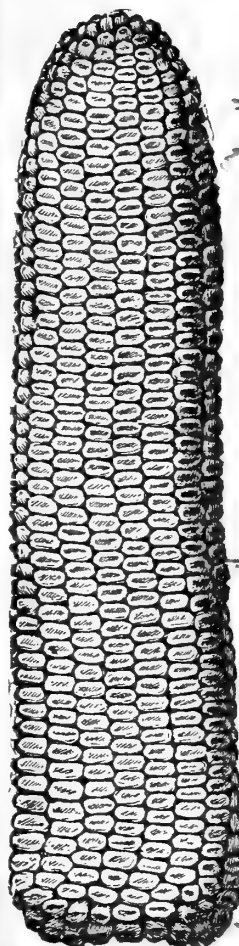
✓ **Golden Beauty.** A large, broad grained, handsome yellow corn, which is very popular in some sections of the country. Ears are of good size, color bright golden yellow, cobs small. The ears usually have twelve to sixteen rows. Matures in about 120 days. If you want a corn for marketing in the ear or shelled, you will find the Golden Beauty quite satisfactory. Not recommended for northern Iowa. Per pkt., 5c.; lb., 25c.; 3 lbs., 60c.

— **Minnesota King.** A very early variety, in great favor with our customers in Minnesota, Wisconsin and the Dakotas, and it is considered there the most profitable and best yielding corn, no matter whether weather is favorable or not. It is a yellow half Dent variety, with broad rich, golden yellow kernels. Ear of fair size, with small cob and usually only eight rows. One Michigan farmer writes that Min-

nesota King corn, yielded about 100 bushels per acre, but this is more than the average yield, as it is not a large variety. Pkt., 5c.; lb., 25c.; 3 lbs., 60c.

✓ **Canada Eight Rowed Flint.** This standard Flint corn is the earliest of all. It is a safe corn to plant where the season is short. It will mature in eighty-five days of good corn weather. It is recommended as the best variety to make a crop where late planting is necessary.

## FIELD CORN.



IMP. LEAMING.

**Early Mastodon.** A new Yellow Dent, the largest and earliest in cultivation; has yielded 200 bushels to the acre.

**Champion White Pearl.** Originated in Illinois and is enormously productive; a strong grower; matures in about 100 days. The stalk is stout and thick, with large ears set low.

**Longfellow Flint.** This is an 8-rowed Yellow Flint variety, the result of careful selection. The ears are from ten to fifteen inches long, one and one-half to one and three-fourths inches in diameter, are well filled out to the extreme end of cob. The cob is small, kernels large and broad. This corn is well adapted to the northwest, and is said to have produced 200 bus. of ears to the acre in Massachusetts. Large pkg., 10c.; lb., post-paid, 35c.

**King Philip Corn.** This excellent red colored Flint corn is so well known that it needs no special description. It is an eight-rowed Flint from eight to twelve inches long, and with good cultivation will yield 75 bushels per acre. Ripened in North Dakota. By mail, pkg., 10c.; qt., 35c.

**King of Illinois.** A bright yellow Dent, grown and carefully selected for twelve years in south central Illinois. A cross between Leaming and an earlier variety. The ears average ten or eleven inches in length with twenty rows, a very deep grain and dark red cob. The rows are straight and the ear even in size almost to the tip. It is an early variety for its own section, and as even in type as we ever saw. Has taken the first prize every time in its own county and four times in the state. Corn is king in Illinois, and this is the king of Illinois corns.

Post-paid, pkt., 10c.; pt., 20c.; qt., 30c.

**The Leaming.** Ears are nine to eleven inches, and nearly always two good ones to each stalk; average about twenty rows.

**Golden Row.** A fine yellow Dent, grown in Bureau county, Illinois. A 10-inch ear with sixteen rows. The grain is deep for northern grown ears, well filled and hold their diameter well to the tips. It is a splendid cropper and has yielded an average in its home locality of 80 bushels per acre for several years.

By mail, pkt., 10c.; pt., 20c.; qt., 30c.

**Queen of the Field.** A bright yellow Dent, twelve to sixteen rows, with deep grain and small red cob, weighing 60 lbs. to the measured bushel. It is one of the most prolific, often having two good ears to the stalk.

**White Cap Yellow Dent.** This now famous corn possesses the earliness of Pride of the North, and will produce a greater yield on thin, poor land than any other corn. Grows about six to seven feet in height, with abundant foliage and fine large ear. The tip ends of the grains are white, the inside yellow, making it of a beautiful color, both when on cob and when shelled. Pkt., 10c.; qt., 25c.

**Extra Early Huron Dent.** After several years' trial on a large scale it is concluded that this is one of the earliest Dent corns grown. Good-sized stalk and ear, small red cob, long, deep grain, very rich in oil and starch, and is the only smooth, very early Dent corn known. Ears wonderfully perfect, grained even on both ends of cob; has quick, rank, strong growth and is very productive; It heads the list of all extra early varieties. Our supply is genuine and from the originator's stock, strictly pure and carefully selected. By mail, post-paid, 1 lb., 20c.

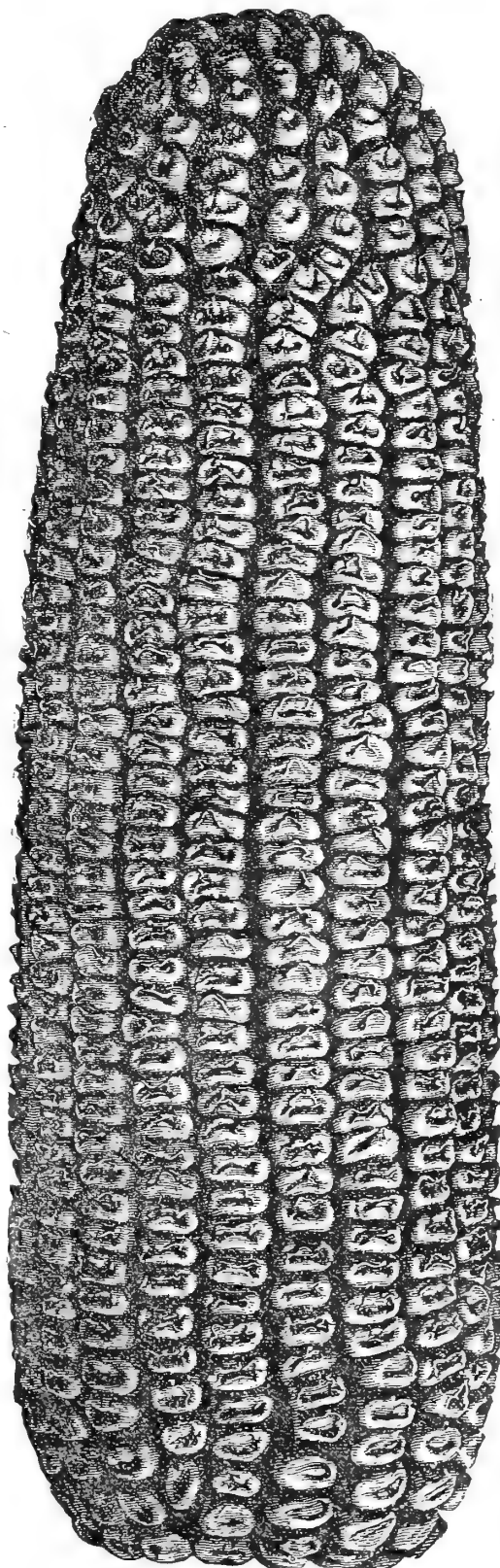
## ENSILAGE AND FODDER CORN.

If planted in drills, which should be about three and a half feet apart, twelve to sixteen quarts per acre are required. If sown broadcast, two to two and a half bushels are required to the acre. These prices include bags and delivery to depot.

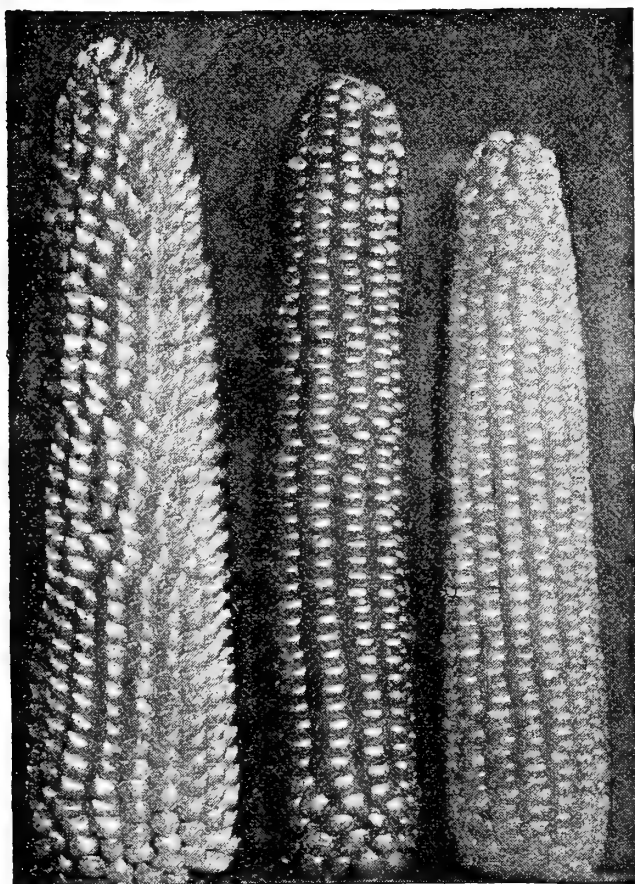
**Sweet Corn for Fodder.** There is nothing better for green feed, or for curing for winter, than sweet corn. Sow in drills or broadcast. Pk., 50c.; bu., \$1.50.

**Red Cob Ensilage.** A most desirable variety, adapted to all sections of the country.

**PRICES OF ALL FIELD AND FODDER CORN: PK., 40c.; BU., \$1.35.**



EXTRA EARLY HURON DENT.

WHITE  
RICE.QUEEN'S  
GOLDEN.MAPLEDALE  
PROLIFIC.

**Wisconsin Eight-Rowed.** The standard variety for market. Is largely used by pop-corn manufacturers. Grain is broad, smooth and pops out large. Yields well and can be husked rapidly. Prices on all of above varieties of pop-corn are: Pkt., 5c.; pt., 25c.; qt., 40c.; postage paid.

**For Popping.** We can furnish nice two-year-old pop-corn at 20c. per lb., post-paid. By express, 5 lbs. or more, at 5c. per lb.

## KAFFIR CORN.

A non-saccharine sorghum that has been extensively grown and found valuable. The plant grows from 6 to 7 feet high, is stocky and erect and has wide foliage. It produces 2 to 4 heads of grain on each stalk. These heads are long and narrow and well filled with white grain, which at maturity is slightly flecked with red spots. Kaffir corn has the quality common to all sorghums, of resisting drought, and in this fact is to be found its peculiar value to southern sections. It has yielded paying crops of grain and forage, even in dry seasons, when corn has utterly failed. Compared with other sorghums the Kaffir is found to be early, abundant in yield, reliable in all seasons and for a superior crop for both quantity and quality of its product. Its low and manageable growth, ease of cultivation and harvesting are points distinctly peculiar to it, and in addition to these it is well proven to be less exhaustive to the land. Flour from the Kaffir grain has been found more nearly analogous to wheat than any other grain of its class. It is darker, of course, but is of like texture in the dough and in the cooking. For batter cakes, muffins, etc., it is excellent, and for buckwheat cakes it is considered by many an improvement on the original. Pk., 5c.; lb., 20c., post-paid; 100 lbs., \$3.

## BROOM CORN.

**Tennessee Evergreen.** More largely grown in the western states than any other. The brush is noted for its fine quality, good length and handsome appearance, cut before the seed is ripe, it is a beautiful pea green color. It ripens early and yields heavy crops. Lb., 25c.; 3 lbs., 65c. By freight, 10 lbs., \$1; 25 lbs., \$1.75; 100 lbs., \$6.

**Missouri Evergreen.** Has coarser brush than the Tennessee, and is therefore desirable for making heavy brooms. Lb., 25c.; 3 lbs., 65c. By freight, 10 lbs., \$1; 25 lbs., \$1.75; 100 lbs., \$6.

## POP-CORN.

It pays to raise pop-corn as a general crop. It is a sure crop, and the demand usually exceeds the supply. Some farmers claim that it is as easily grown as field corn, and they receive three or four times the amount per acre for the crop. For main crop the Monarch White Rice will bring the best price per pound, as it is better known among the poppers. Let the children try a small patch anyway, and for home use.

**Monarch White Rice.** The best white variety grown. It bears from 3 to 6 ears per stalk, weighs 36 pounds per bushel of ears when dry, and produces 1,500 to 2,500 pounds per acre. It will pay you to try it. Pkt., 5c.;  $\frac{1}{2}$  pt., 15c.; qt., 40c.

**Mapledale Prolific.** The most productive pop-corn, averaging 5 to 12 good ears to the stalk, as many as 19 ears having been taken from a single stalk. Ears uniformly large. Pops to a large size, and very tender. Pkt., 5c.;  $\frac{1}{2}$  pt., 15c.; qt., 50c.

**Queen's Golden.** Color, a peculiar lustrous golden yellow; when popped, of a rich cream color; very prolific. Pkt., 5c.;  $\frac{1}{2}$  pt., 15c.; qt., 50c.

**White Rice.** Wisconsin grown. A very fine white variety; ears, 4 to 5 inches in length and 1 to  $1\frac{1}{4}$ -inch in diameter. Kernel clear white, long and pointed at the top, sloping toward tip of ear. Not easy to husk, but quite prolific, and especially salable among the retail grocers in Chicago. It is very desirable for family use, popping out very large and tender.

**Red Rice.** An excellent popping variety of handsome appearance. Ears, 4 to 6 inches long; kernel pointed; color, dark red.

**White Pearl.** Smooth, small-grained; ears, 4 to 5 inches long,  $\frac{3}{8}$  to  $1\frac{1}{8}$  inches in diameter. Good for family use or market.



KAFFIR CORN.



# MISCELLANEOUS GRAINS AND FORAGE PLANTS.

See also pages 64, 100 and 101.



YELLOW BRANCHING DHOURA CORN.

## DHOURA CORN.

**Brown.** Lb., 20c.; 100 lbs., \$8.00.

**Yellow Branching.** (Yellow Millo Maize.) It is non-saccharine. Useful only for the large amount of foliage, green feed or cured fodder that it furnishes, and for its grain. Lb., 20c.; 100 lbs., \$8.00.

**White Branching.** (White Millo Maize.) The merit of this non-saccharine sorghum is, that when cut for feeding it starts again from the remaining stumps with renewed strength and vigor. Thrives in the hottest and driest localities. Lb., 20c.; 100 lbs., \$8.00.

**Jerusalem Corn.** One of the best and surest for dry countries and seasons. Grows about three feet high, with one large head on main stalk and several smaller heads on side shoots. The grains are white and nearly flat. Lb., 20c.; 100 lbs., \$8.00.

## HEMP.

If raised for manufacturing must be sown broadcast at the rate of one-half bushel to the acre; if for seed, should be planted in hills four feet apart, and the plants thinned out to three or four most vigorous stems in each hill. Lb., 25c.; bu., \$1.75.

## FLAX.

Sow late enough in the spring to avoid frost, and early enough to secure the early rains. A fair average quantity of seed to be sown on an acre is one-half bushel, when cultivated for seed; if for fiber, a larger quantity should be sown. Lb., 25c.; pk., 50c.; bu., \$2.00.

**Russian.** We have some very choice seed of this, much superior in every way to common flax. It will increase the yield and add to the value of the product. Most of the flax of the country is badly run out. It will pay you well to secure some new seed. Lb., 25c.; pk., 75c.; bu., \$2.25.

## AUSTRALIAN SALT BUSH.

A forage plant for alkali soils, and for regions subject to periodic drought. This is a most wonderful forage plant, as it will grow freely in arid and alkali lands, that will produce no other vegetation, yielding a marvelously liberal foliage which is eagerly eaten by all kinds of stock. It is of creeping habit. From twenty to thirty tons of green fodder have been harvested from one acre. It has further been proved that after three or four crops have been grown on alkali land, the soil is then capable of producing any other vegetation. In many sections of the States this is in itself of priceless value. This plant has been very extensively tried at the California experimental station, where single plants, grown on the poorest alkali ground, have reached a diameter of sixteen feet in one season. One pound of seed will plant an acre. It grows readily from seed, and requires no cultivation. Pkt., 10c.; oz., 20c.;  $\frac{1}{4}$  lb., 45c.; lb., \$1.35.

## SUGAR CANE.

**Early Amber.** Early and productive. Its saccharine matter is of the first quality, produces a fine sugar or syrup. Ten to twelve feet high. Will produce two large cuttings of green fodder during the summer. Sow three or four quarts per acre. Pkt., 5c.; lb., 25c.; 10 lbs. and over by express, 7c. a lb.; 100 lbs., \$4.00.

**Early Orange.** This is a sorghum of unusual merit. It is early, and produces its stalks of great sweetness and abundance of juice in great profusion. Pkt., 5c.; lb., 25c.; by express or freight, 100 lbs., \$4.25.

## SEED BUCKWHEAT.

**Japanese.** The kernels are at least twice the size of those of any other variety, and of a shape peculiar and distinct from all others. The color of the kernels is also most distinct, being a rich, dark shade of brown. The straw is heavier, very branchy, and does not need to be sown as thickly as other kinds. The quality is excellent and the yield is enormous. It is about a week earlier in ripening than the Silver Hull. 100 lbs., \$1.50.

**Silver Hull.** This improved variety is much better than the old sort. It is in bloom longer, matures sooner, and yields double the quantity per acre. The husk is thinner, the corners less prominent and the grain of a beautiful light gray color. The flour is said to be better and more nutritious. 100 lbs., \$1.75.

**Common.** Buckwheat should be sown about the 20th of June, broadcast, at the rate of from one to three pecks per acre. The average yield is from twenty-five to thirty bushels per acre. It should be threshed as soon as dry, on the ground or barn floor. If allowed to stand in mass it quickly gathers moisture. 100 lbs., \$1.50.



## FORAGE PLANTS.

### VETCHES.

**Spring.** (*Vicia sativa*.) Sown broadcast at rate of one to one and a half bushels to the acre, like wheat or barley, and sometimes mixed with oats for soiling. Used in France and Canada as a substitute for peas. Also ground up into flour, after which it is mixed with wheat flour for making bread. A valuable plant. Qt., 35c.; bu., \$5.50.

**Sand, Winter or Hairy.** (*Vicia villosa*.) This variety thrives on poor, arid, sandy soils. It is sown either in fall or in spring, and generally mixed with rye, which serves as a support to the plants. It grows to a height of from three to four feet, and can be cut twice for fodder, first as soon as the bloom appears, and then it can be again cut for the seed. The plant is perfectly hardy, and the produce is recommended as most nutritious. The seed is black and perfectly round, and should be sown at the rate of one and one half bushels to the acre. Qt., 45c.; bu., \$10.00.

### LUPINS.

**Blue.** Used for the same purpose as the yellow variety. Lb., 30c.; 100 lbs., \$8.

**White.** One of the best plants known for soiling. It may be sown from April to July, and plowed under when in flower. The seed when burned is excellent manure for orange and olive trees. Lb., 30c.; 100 lbs., \$9.

**Yellow.** Less thrifty than the white variety, but still having an advantage over it in remaining green for a longer period. It succeeds well in the poorest soil, and is valuable for plowing in. Lb., 30c.; 100 lbs., \$8.

### EGYPTIAN LENTILS.

Largely used in oriental countries, and is one of their principal articles of diet. It was from these that the dish of pottage was made for which Esau sold his birthright to Jacob in Bible times, and many will be interested in them for that reason. They are in growth similar to peas, and may be used in any way that you would use shell beans, and they also make an excellent soup. Sow and cultivate same as garden peas, and thresh out in the fall. All should try them. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 15c.; lb., 30c. By express, 5 lbs. or more at 15c. per pound.

### TEOSINTE.

A valuable fodder plant from Central America, in growth resembling Indian corn. Well adapted to our southern states. Oz., 20c.; lb., \$1.25.

### LATHYRUS SYLVESTRIS.

(FLAT PEA.)

A new perennial forage plant, possessing many valuable features. It grows well on very poor, unimproved, sandy soil, can withstand pretty severe frosts, roots so deeply that it is not injured by severe drought, yields superior forage for all farm stock, and has excellent qualities as a fertilizer. Oz., 20c.; lb., \$1.40.

### SPURRY.

(*Spergula arvensis*.)

Annual. Grows well on poor, dry, sandy soils. It is in best condition for pasture in four to six weeks after sowing, and may be sown every month from March to August. Excellent pasture for cattle and sheep; also as a fertilizer for light, sandy soil. Fifteen pounds per acre. Lb., 35c.; 3 lbs., \$1; post-paid. 10 lbs. for \$1.40; 50 lbs. and upwards at 10c. per lb.; 100 lbs., \$8.

### BROMUS INERMIS.

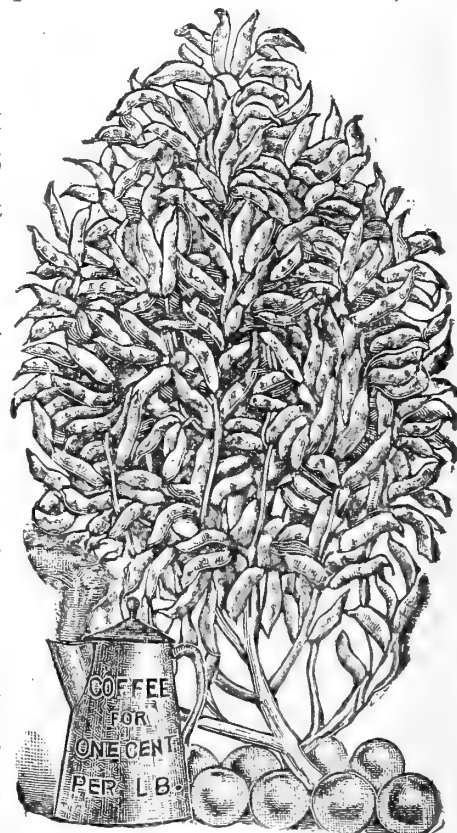
(AWNLESS BROME GRASS.)

A valuable forage plant for light, dry soils; answers for cutting and feeding in green state, for pasture or hay; very productive. About thirty-five to forty pounds to the acre. Lb., 35c.; 100 lbs., \$15.

### SOJA BEAN.

(COFFEE BERRY.)

During recent years this variety has been largely sold under the name of German Coffee Berry at extravagantly high prices, but we prefer to offer it under its correct name. The berries ripen in about four months from time of planting, and produce a crop of twenty to thirty bushels to the acre, and are as easily grown as other beans. When roasted and ground it closely resembles coffee, and tastes quite similar. Some mix half and half with coffee when using, and claim it is superior. Its great value to the farmer lies in the fact that when ground it makes one of the most valuable crops for feeding stock and adds greatly to the milk production. Claimed also to be much superior to clover for fertilizing the soil and for pasturing, or feeding the green fodder, of which it frequently yields from eight to ten tons per acre. Sow broadcast half bushel to the acre, or it may be planted in drills three feet apart and one foot between plants. Pkt., 5c.;  $\frac{1}{4}$  lb., 15c.; lb., 40c.; post-paid. Pk., \$1.25; bu., \$4.50.



SOJA BEANS, OR COFFEE BERRY.



WINTER OR SAND VETCH.

## TREE SEEDS.

### DECIDUOUS TREE SEEDS.

**Ash, White.** (*Fraxinus Americana*.) Requires a moist, deep soil, on which it will grow very rapidly. It deserves special attention from those who wish to grow trees for timber. Succeeds best from seed, which should be planted like corn, where the trees are to stand, but not over an inch in depth. When grown singly it is very ornamental, forming a large, round head. About 1,200 seeds per ounce. Oz., 10.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**Ash, European.** (*Fraxinus excelsior*.) Succeeds best in rather a warm climate; thrives upon the plains in deep soils, but does poorly on stiff clay or light sandy soils. Its timber is valuable in carriage making and manufacturing. About 600 seeds per ounce. Oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 20c.; lb., 60c.

**Birch, White.** (*Betula alba*.) Valuable for ornamental planting, and a favorite wood for shoe pegs, spools, bobbins and similar small articles. The birch does best in a cool, humid climate, and is readily propagated from seed. The seed thrives best on new ground. It scarcely admits of any covering, but will grow if simply pressed into the ground with the feet. When one year old, transplant into nursery rows. When two or three feet high, set out the young trees where they are to remain. Oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

**Larch, European.** (*Larix Europæa*.) Grows to a large size and makes excellent timber. The seed should be sown in a half shady situation. Oz., 15c.; 2 oz., 25c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.50.

**Linden, European.** (*Tilia Europæa*.) Wood very white, light, not liable to crack, and much prized for cabinet work and the panels of carriages. It should be planted by all bee keepers, as no flower yields better honey nor in greater abundance. Oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

### EVERGREEN TREE SEEDS.

Few investments made by farmers will return a larger profit in the course of a few years than the planting of forest trees on uncultivated land, or on land cultivated at a loss. The time is rapidly coming when land covered with our best forest trees will be of great value.

**American Arbor Vitæ.** (*Thuja occidentalis*.) Seldom over thirty feet high. Grows well under cultivation, and makes one of the best hedges for a screen and wind break. It is best grown from seed, and the seedlings transplanted. About 20,000 seeds per ounce. Oz., 20c.; 2 oz., 35c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

**Pine, White or Weymouth.** (*Pinus strobus*.) The most majestic and valuable of all our native pines; thrives best in light sand with clay subsoil, and prefers plains and broad river valleys to higher lands. It has furnished immense quantities of the white pine lumber so well known throughout the country. About 2,800 seeds to the ounce. Oz., 20c.; 2 oz., 35c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

### FRUIT TREE SEEDS.

**Apple.** Apple seeds do not produce the same varieties, but generally give a hardy, though inferior sort, and upon these seedlings are grafted or budded the finer varieties. Oz., 10c.;  $\frac{1}{4}$  lb., 15c.; lb., 35c.; post-paid.

**Plum.** The directions given for planting apples will also apply to plums, except the pits should be planted further apart in the row. The varieties raised from seed will be hardy, vigorous stalks, upon which to graft the choicer sorts. Plum stones, oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

**Quince.** Quinces generally produce the same variety from seed, but occasionally vary. The general culture and requirements of soil are the same as for the pear, except that they are not budded. About 1,100 seeds per ounce. Oz., 20c.; 2 oz., 35c.;  $\frac{1}{4}$  lb., 60c.; lb., \$1.75.

**Locust, Honey.** (*Gleditsia triacanthos*.) On account of its rapidity of growth and durability of the timber, we regard this as one of the most valuable of our native trees. It is not so liable to injury by the borer as the common locust, and does not sprout from the root to such an extent as to become troublesome. The seed should be treated with hot water, otherwise it might lie in the ground from one to three years without sprouting. Take up and heel in or cover the plants in the fall, and set out the next spring. After one or two seasons' growth, they become perfectly hardy. About 2,800 seeds per pound. Oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

**Locust, Yellow.** (*Robinia pseudo-acacia*.) This tree grows so rapidly that railroad ties may be cut from it ten years from the planting of the seed, while the durability of its timber is well known, fence posts of it having stood for sixty years. Culture same as for Honey Locust. One ounce contains about 1,000 seeds. Oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 20c.; lb., 50c.

**Mulberry, Russian.** Of rapid growth, resembling the apple tree in habit, with a grayish bark and drooping branches. It is very easily cultivated and kept in dwarf form; makes a fine hedge and wind break. It bears very young, and the fruit is similar to the blackberry, varying in flavor from subacid to sweet. In cold regions especially, this should prove a very valuable variety for its timber, shade and fruit. About 20,000 seeds per ounce. Oz., 25c.; 2 oz., 40c.;  $\frac{1}{4}$  lb., 75c.; lb., \$2.50.

**Mulberry, White.** (*Morus alba*.) Desirable for feeding silk worms. Grows readily and rapidly from seed, which should not be covered too deep, as it is quite small. It delights in a warm, dry soil, and will succeed in almost any place that will produce a good corn crop. Oz., 20c.; 2 oz., 35c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

**Fir, Silver.** (*Abies pectinata*.) An important timber tree which grows to a large size. When young the trees are tender and easily injured by frost, but as they grow larger are entirely hardy. Oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

**Pine, Scotch.** (*Pinus sylvestris*.) Very hardy; grows on nearly every variety of soil, forming a beautiful tree; invaluable for a wind break. About 4,800 seeds per ounce. Oz., 20c.; 2 oz., 35c.;  $\frac{1}{4}$  lb., 60c.; lb., \$2.00.

**Spruce, Norway.** (*Abies excelsa*.) Well known as one of our most beautiful evergreen trees. It is hardy, of rapid growth, and forms a dense, close screen, or hedge. About 20,000 seeds to the pound. Oz., 15; 2 oz., 25c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.25.

**Cherry, Mahaleb.** Used as stocks when dwarf trees are wanted. Culture same as the above. Cherry stones, oz., 10c.; 2 oz., 15c.;  $\frac{1}{4}$  lb., 25c.; lb., 75c.

**Peach.** Plant three inches deep in nursery rows three feet apart, in the fall, or if delayed until spring, crack the pits and plant the kernels only. They should be large enough to bud the first season, and may be profitably set in orchards two years from planting. Peach stones, lb., 25c.; post-paid. 100 lbs., \$3.00, by freight or express, at purchaser's expense.

**Pear.** Success will depend very largely upon having a deep, rich, moist soil, as this is essential to vigorous growth. Plant and cultivate like the apple, and bud when large enough. Every effort should be made to secure a rapid and vigorous growth from the first. About 1,200 seeds per ounce. Oz., 15c.; 2 oz., 25c.;  $\frac{1}{4}$  lb., 40c.; lb., \$1.50.



## CHOICE FLOWER SEEDS.

The following is a list of carefully grown and selected flower seeds:

### ABRONIA.

Charming trailer, with verbena-like, sweet scented flowers blooming through the season.

**Umbellata.** Rosy lilac, with white eye. Pkt., 5c.

### ACROCLINIUM.

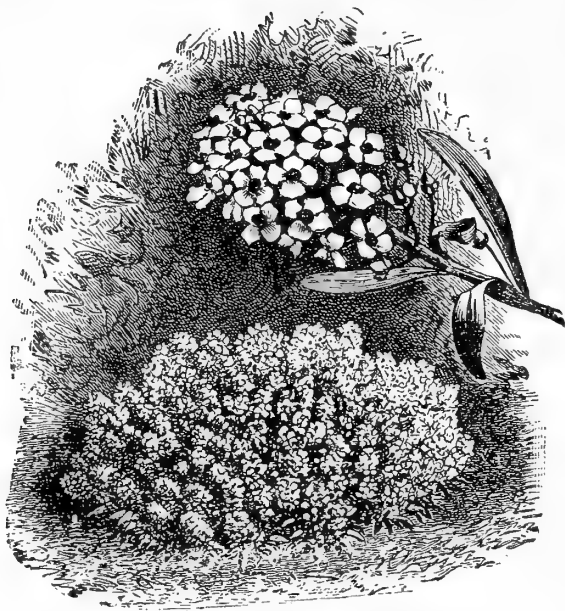
One of the most beautiful everlastings, bearing great quantities of bright pink and white daisy-like flowers, with a yellow center.

**Double Flowering,** mixed. Pkt., 5c.

### ALYSSUM.

**Sweet.** Flowers pure white in racemes. Nice for all kinds of small bouquets. They have a peculiar delicate fragrance. Pkt., 5c.

**Tom Thumb.** (Compactum Erectum, or Little Gem.) A fine dwarf sort, suitable for low beds, edgings, borders, etc., growing only three to four inches in height. Pkt., 5c.



ALYSSUM.

**Golden.** (Saxatile). Flowers golden yellow; desirable for rock work; showy in masses. Hardy perennial. Height one foot. Pkt., 5c.

### ADLUMIA.

(MOUNTAIN FRINGE OR ALLEGHANY VINE.)

A charming plant flowering the first season, of graceful habit and pale green feathery foliage, fifteen feet.

**Cirrrosa.** Clusters of small rosy lilac flowers. Pkt., 5c.

### AGERATUM.

Annuals bearing a profusion of clusters of feathery flowers. Excellent for cut flowers and planting in borders, window boxes, etc., or wherever a small plant is desired.

**Mexicanum,** light blue. Pkt., 5c.

**Imperial Dwarf,** white. Pkt., 5c.

**All Colors,** mixed. Pkt., 5c.



AGERATUM.

### ANTIRRHINUM OR SNAP DRAGON.

An old garden favorite with odd shaped flowers and pretty spotted throats. Of easy culture, and yield a fine abundance of pretty flowers.

**Tall Mixed.** All colors. Pkt., 5c.

**Tom Thumb.** Many colors and markings. Pkt. 5c.

### AQUILEGIA.

(COLUMBINE.)

Beautiful, curiously formed, various-tinted flowers. Bloom early in the spring and fall. Hardy perennial.

**Double Mixed.** Pkt., 5c.

### ADONIS.

(FLOS ADONIS.)

Also known as Pheasant's Eye. Showy, hardy annuals of easy culture. Foliage pretty finely cut. Last a long time in bloom. Dark crimson flowers, with a light center. One foot. Pkt., 5c.

### AMARANTHUS.

Beautiful foliage plants. Fine for massing where striking contrasts in color are desired. Rapid growth and easy culture. No good for pot plants.

**Tricolor.** Leaves yellow, red and green. Also known as Joseph's Coat. Pkt., 5c.

**Salicifolius.** (Fountain Plant.) Gracefully drooping willow shaped leaves. Orange, carmine and bronze. Pkt., 5c.

**Melancholicus Ruber.** Blood red foliage. Pkt., 5c.

### AURICULA.

Tender perennials. Also called French Cowslips. An old garden favorite.

**Alpine.** Most hardy. Pkt., 10c.



AURICULA.

ALL FLOWER SEEDS SENT  
FREE BY MAIL  
AT CATALOGUE PRICES.

**ASTERS.**

**Victoria.** The best and handsomest variety for size, color and form. The profusion of bloom is enormous. Flowers very double, and 4 inches across.

White. Pkt., 10c.      Carmine. Pkt., 10c.  
Rose. Pkt., 10c.      Lavender. Pkt., 10c.  
All Colors, mixed. Pkt., 10c.

**Giant Comet.** Flowers immense in size, often 6 inches across, composed of long, narrow, wavy, twisted petals, gracefully formed into loose, densely double flowers.

White. Pkt., 10c.      Carmine. Pkt., 10c.  
Rose. Pkt., 10c.      Lavender. Pkt., 10c.  
Light Blue. Pkt., 10c.      Dark Blue. Pkt., 10c.  
All Colors, mixed. Pkt., 10c.

**Semples Branching.** Large plants that come into bloom quite late. Flowers are very large, and are often taken for chrysanthemums. Borne on exceedingly long stems, and are great favorites for florists.

White. Pkt., 10c.      All Colors, mixed. Pkt., 10c.

**Perfection.** Large compact plants, about 18 inches high and in flowering season are almost covered with large, fully double and perfectly shaped flowers.

All Colors, mixed. Pkt., 5c.

**Dwarf Bouquet.** Very dwarf and is fine for edgings.

All Colors, mixed. Pkt., 5c.

**Chrysanthemum.** Flowers large and late.

All Colors, mixed. Pkt., 5c.

All Varieties and Colors, mixed. Pkt., 5c.

**ASPARAGUS SPRENGERI.**

One of the most graceful and beautiful of house plants, particularly valuable for hanging baskets. The sprays are from 3 to 4 feet long, and are of a light green color. Cuttings are very useful for bouquets, and keep green for weeks. The plant grows readily from seed if the latter be soaked in warm water before planting. As an outdoor variety it is a valuable addition to any garden. Pkt., 10c



BRACHYCOME

GIANT  
COMET  
ASTER.

**Double Camellia.** As double as a camellia, which it resembles; white, blotched with various colors. Pkt., 10c.

**Double Pure White.** Well adapted for florists, for bouquets; very double. Pkt., 10c.

**Double Red.** All shades of red. Pkt., 10c.

**Mixed Double Rose.** Has perfectly double, rose-like blossoms of almost every shade and color. Pkt., 5c.

**Mixed Double Tall.** About 2 feet high. Pkt., 5c.

**BRACHYCOME.**

(SWAN RIVER DAISY.)

Produce an abundance of daisy-like flowers, about one foot high. Fine for edgings, beds or rustic baskets.

Blue. Pkt., 5c.

White. Pkt., 5c.

Mixed. Pkt., 5c.

**ASPERULA ODORATA.**

(SWEET WOODRUFF.)

This charming little plant, which blooms in May and is a hardy perennial, delights in moist and shady situations and is used for border planting. Pkt., 5c.

VICTORIA  
ASTER.**BALLOON VINE.**

A rapid and graceful climber. Sometimes called: "Love in a Puff." Pkt., 5c.

**BARTONIA AUREA.**

A pretty flowering plant, producing fine bright yellow blossoms. Pkt., 5c.

**BALSAM.**

(LADY SLIPPERS.)

Balsams have been so greatly improved by cultivation that with proper treatment and good seed a single flower is the exception now rather than the rule. Hardy annual, 1 to 2 feet high.

**Double Solferino.** Satiny white, streaked and spotted with crimson and lilac. Very choice. Pkt., 5c.

**CHRYSANTHEMUM.**

Showy and effective garden favorites; extensively grown for cut flowers; beautiful large flowers of many rich colors; for bouquets, vases, etc., the flowers are very attractive.

**Coronarum. Double, white. Pkt., 5c.**

**Coronarum. Double, yellow. Pkt., 5c.**

**Mixed. All colors. Pkt., 5c.**

**Frutescens.** (Marguerite or Paris Daisy.) This variety, under the name of Marguerite, has attained great popularity among florists. The pretty star shaped white flowers are freely produced, and the plant will grow under almost any circumstances. Perennial. Pkt., 10c.

**CALCEOLARIA.**

A favorite and universally admired genus, remarkable for their large, beautifully spotted blossoms produced in almost countless variations of marking. They are grown in pots in the conservatory, greenhouse and garden. Herbaceous and also shrubby evergreen perennials.

**Hybrida grandiflora.** Flowers of immense size; seed saved from finest specimens. Pkt., 25c.

**CAMPANULA.**

(CANTERBURY BELL.)

Well known, hardy, herbaceous perennials, bearing a great profusion of attractive flowers.

**Single Mixed. Pkt., 5c.**

**Double Mixed. Pkt., 10c.**

**CANNA.**

Highly ornamental, producing a rich effect by their large, massive foliage and gorgeous orange, crimson and yellow flowers.

**Crozy's Large Flowering Dwarf French, Finest Mixed.** Comprising all the newest and most beautiful varieties. Pkt., 5c.

**Choice Mixed. Old sorts. Pkt., 5c.**

**CANDYTUFT.**

Universally known and cultivated, and considered indispensable for cutting. Hardy and easy to cultivate.

**Empress or Snow Queen.** A complete mass of pure white flowers, borne on a candelabra shaped plant. Very large. Pkt., 5c.

**Fragrant. White. Oz., 15c.; pkt., 5c.**

**Crimson. Fine. Oz., 20c.; pkt., 5c.**

**Fine Mixed. Oz., 15c.; pkt., 5c.**

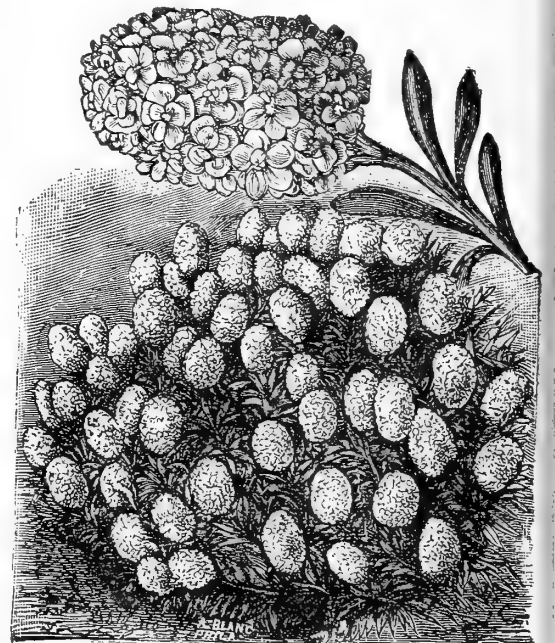
**CANARY BIRD FLOWER.**

Beautiful rapid growing climber, bearing little canary colored blossoms, bearing a fancied resemblance to a bird with its wings half expanded. Blooms all summer.

**Tropæolum Canariense.** Canary bird flower. Pkt., 5c.



CALLIOPSIS. GOLDEN WAVE.



CANDYTUFT. NEW EMPRESS.

**CATCH FLY.**

Small flowers; red, white, rose. A sticky moisture on the plant sometimes entraps flies; hence the name.

**Catch Fly.** (*Silene Armenia.*) Pkt., 5c.

**CALLIOPSIS OR COREOPSIS.**

Large bright flowers. Blooms all summer. Fine for cutting. Also called Bright Eyes.

**Calliopsis. Golden Wave.** Very compact bushy plants, covered with hundreds of bright yellow blossoms, two inches across. Pkt., 5c.

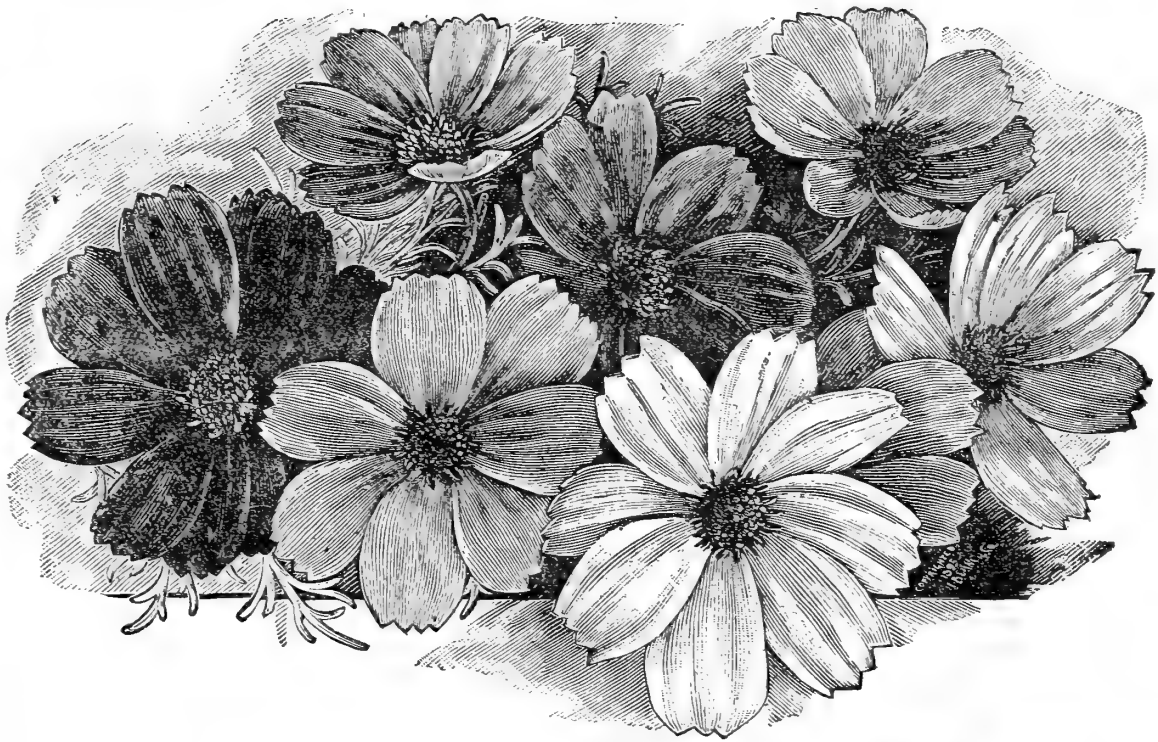
**Mixed. All colors. Pkt., 5c.**

**CARNATION.**

Popular favorites, which are deliciously fragrant; colors extremely rich and beautiful. The seed we offer is from the finest collection in Europe, and may be expected to produce something fine, although occasionally there will be found a few single flowers among them. Hardy; will not bloom until second season.

**Extra Choice Mixed.** Saved from the choicest double flowers. Pkt., 25c.





COSMOS, NEW MAMMOTH HYBRIDS.

**COSMOS.**

Some of the flowers in this new strain measure five inches across. The flowers are single, dahlia-like, and the colors, shades and markings are entirely unique in cosmos.

**Mammoth Perfection**, mixed. Pkt. 10c.

**Large-Flowered**, white. Pkt., 5c.

**Large-Flowered**, pink. Pkt., 5c.

**Large-Flowered**, mixed. Pkt., 5c.

**CALENDULA.**

This has been a favorite for many years. Blooms from June until frost. If potted in the fall, and placed in a sunny window, will bloom all winter.

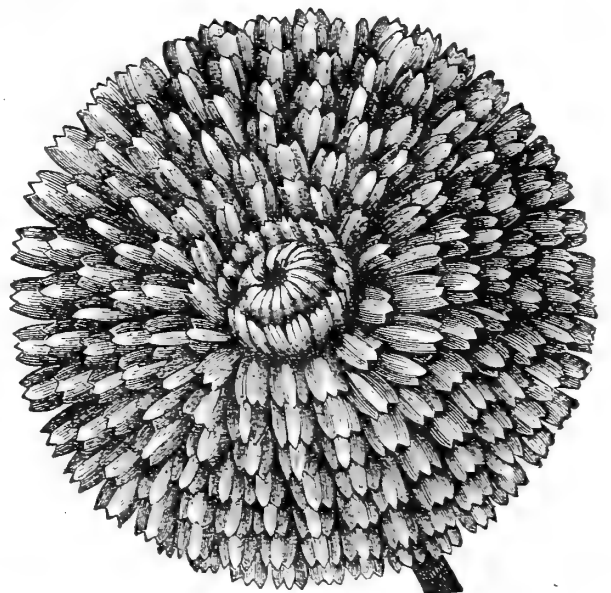
**Meteor**. Double, beautifully striped. Pkt., 5c.

**Oriole**. The best calendula known, extra large double flowers, are indescribable, rich and glowing in tone, bright golden yellow, wonderfully free flowering. Pkt., 5c.

**All Colors**, mixed. Pkt., 5c.

**CASTOR OIL BEAN.**

See Ricinus.



CALENDULA ORIOLE.

**CENTAUREA CYANUS.**

(RAGGED SAILOR, CORN FLOWER OR BLUE BOTTLE.)

**Emperor William**. A dark variety that is very popular for cut flower growing, as it is the best color in this favorite flower. Color intense dark blue. Pkt., 5c.

**Double-Flowering**. A very interesting novelty; an improvement on this old favorite flower containing several colors not found in it heretofore. Half of the plants will come true from seed, forming more compact and fuller heads of semi-double flowers. Pkt., 5c.

**Finest**, mixed. Pkt., 5c.

**CELOSIA OR COCKSCOMB.**

Free blooming, graceful plants, producing spikes of beautiful comb shaped flowers.

**President Thiers**. A very dwarf variety, with intense crimson flowers. The combs are large, ruffled, dark crimson, some measuring 17 inches across. Pkt., 10c.

**Glasgow Prize**. Dwarf, large crimson comb. Pkt., 10c.

**Dwarf**, mixed. All colors. Pkt., 5c.



CENTAUREA CYANUS, DOUBLE FLOWERED.



CINERARIA.

**CINERARIA.**

As will be seen by the illustration from a single plant, the Cineraria is a wonder for wealth of bloom and symmetry of form. The plants grow about as broad as they are high—averaging fifteen inches—perfectly circular in shape, and entirely covered with brilliant blossoms. The rich and vivid colors range through all shades of light and bright blue, to royal plum purple, and from shining crimson to deep maroon. Most of the varieties have a well defined white eye, while the flowers are sharply margined with some high contrasting color. For exhibiting at fairs or flower shows Cinerarias are unsurpassed for attractiveness. As the seed is easily started, and the plants readily grow in good, ordinary soil, no collection of house plants should be without Cinerarias.

**Hybrida.** Large flowering, finest mixed. Flowers measuring two inches across. Per pkt., 25c.

**COLEUS.**

Richly colored foliage plants. For groups on lawns or ribboning they are indispensable.

**Coleus Hybrids.** All colors. Per pkt. 25c.

**COBÆA.**

One of our most beautiful annual climbers. Grow from twenty to thirty feet high. Very desirable on account of its large size, rapid growth, fine foliage and large bell-shaped flowers.

**Cobæa Scandens.** Large bell-shaped purple flowers. Flowers the first season. Pkt., 5c.

**CUCUMIS.**

Very rapid and luxuriant growers. Extremely ornamental and picturesque for its fruit and foliage.

**Cucumis Flexuosus.** (*Snake Cucumber.*) Fruit three feet long. Pkt. 5c.

**Wild Cucumber.** The quickest growing climber. Sturdy growth and handsome appearance. Oz., 10c.; pkt., 5c.

**CARNATION.**

**Margaret Mixed.** These carnations have created a universal sensation, not only on account of their beautiful colors, but, unlike all others, they bloom in about four months from sowing the seed. Bloom until checked by frost. Fully 80 per cent are double, and embrace a fine range of brilliant colors. Plants are neat, dwarf branching and compact.

**Choice Double Mixed.** Producing many double flowers of all shades and colors. Pkt., 10c.

**CONVOLVULUS MAJOR.**

See Morning Glory.

**CONVOLVULUS MINOR.**

Rich colored, handsome dwarf trailing plants, producing in bed a most brilliant effect.

**Dwarf Morning Glory.** All colors mixed. Oz., 10c.; pkt., 5c.

**COLUMBINE.**

See Aquilegia.

**CYCLAMEN.**

Well known and unversally admired tuberous rooted plants producing exceedingly handsome red and white flowers. Tender perennial; one foot high.

**Persicum Giganteum.** Finest mixed. Pkt. 15c.

**CYPRESS VINE.**

Among our most beautiful climbing plants, dark green, very graceful, fern-like foliage, thickly studded with brilliant starry flowers.

**Mixed.** All colors, including new and attractive varieties. White, pkt., 5c. Scarlet, pkt., 5c.



MARGARET CARNATION.

**DAHLIA.**

Both the single and double strains of this magnificent race of plants may be had in the greatest variety and beauty from seed. If planted early and forced they can be made to flower the first season. Tender herbaceous perennials.

**Finest Double**, mixed. Seed saved from choicest double flowers. Pkt., 10c.

**Finest Single**, mixed. Brilliant flowers, running through a wide range of striking colors. Pkt., 5c.

For Dahlia roots, see "Bulbs and Roots."

**Gracilis**. The queen of single Dahlias. Brightest colors, striped and blotched in a most grotesque manner. Pkt., 10c.

**DATURA.**

(ANGELS' TRUMPET.)

The Datura or Ghost Flower is a most interesting plant. It grows several feet high, and branches freely, producing trumpet shaped flowers a foot or more in length.

**Fastuosa**. All double. Mixed colors. Pkt., 5c.

**Sweet Nightingale**. Flowers immense, pure white, fragrant. Free bloomer. Pkt., 5c.

**DIGITALIS.**

(FOXGLOVE.)

Handsome plants of stately growth, especially adapted for shrubberies; hardy perennial.

**Mixed Colors**. Pkt., 5c.

**DELPHINIUM**. See Larkspur. **DIANTHUS**. See Pink. **ELICHRYSUM**. See Helichrysum.

**DEW PLANT**. See Mesembryanthemum. **DIANTHUS BARBATUS**. See Sweet William.

**DAISY.**

Well known and charming early spring blooming plants, for edgings, etc., blooming with the Pansies. Daisies may be easily raised from seed, and had in bloom in a very short time. Flower from April to June.

**Double White**. Pure snowy white. Pkt., 10c.

**Longfellow**. A fine large flowering double Daisy, with dark rose colored flowers. Pkt., 10c.

**Snowball**. Large double white, fine for cutting. Pkt., 10c.

**Double**, mixed. Pkt., 5c.

**HESPERIS MATRONALIS**. See Rocket.



DOUBLE DAISY.

**DOLICHOS.**

(HYACINTH BEANS.)

Splendid climbers. Producing abundant clustered spikes of fragrant purple and white flowers, which are followed by exceedingly ornamental seed pods. Tender annual; ten to twenty feet high.

**Purpurea**, purple. Pkt., 5c.; oz., 15c.

**Alba**, white. Pkt., 5c.; oz., 15c.

**Mixed**. The above mixed. Pkt., 5c.; oz., 15c.



FORGET-ME-NOT.



DAHLIA GRACILIS.

**ESCHSCHOLTZIA.**

(CALIFORNIA POPPY.)

Very attractive plants for beds, edgings or masses. Very profuse in flowering, and foliage finely. Bloom from June till frost. Hardy annuals, one foot high.

**Eschscholtzia**, mixed. All colors, choice and bright. Pkt., 5c.

**EUPHORBIA.**

(SNOW ON THE MOUNTAIN.)

**Variegata**. Foliage is beautifully veined and margined with white. Pkt., 5c.

**EVERLASTINGS.**

See Helichrysum, Acroclinium, Rhodanthe, Globe Amaranth, Gypsophila and Xeranthemum.

**FORGET-ME-NOT.**

(MYOSOTIS.)

Neat and beautiful little plants, with pretty star-like flowers. Succeed best in a moist, shady place. Bloom first year, if sown early.

**Myosotis Palustris**. True blue. Pkt., 5c.

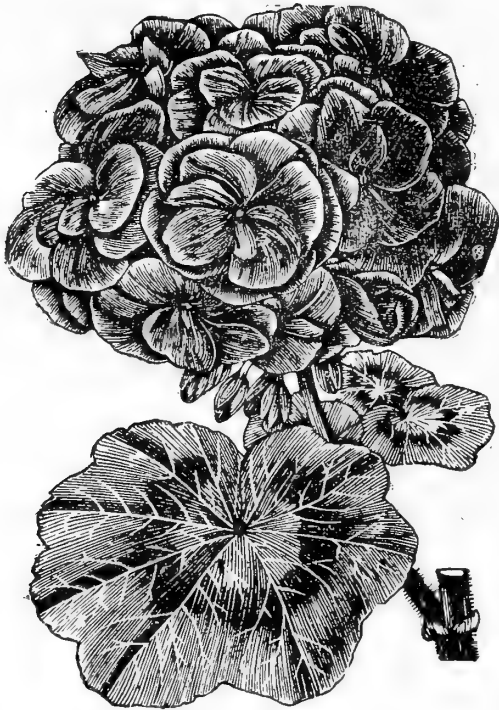
**Dissitiflora**. A beautiful sort, of dwarf, compact habit, fairly covered with blue flowers. Pkt., 5c.

**FEVERFEW.**

(MATRICARIA.)

**Double White**. Has double pure white flowers, one-half inch in diameter, and produced in large clusters on a long stem. Fine for cutting and quite hardy. Pkt., 5c.





GERANIUM.

**GLOXINIA HYBRIDA GRANDIFLORA.**

An elegant summer blooming bulb for indoor decoration during the summer months. They are of unrivaled beauty, the soft, velvety leaves being surmounted with a cluster of large, lovely trumpet shaped flowers of exquisite coloring. The groundwork of many is pure white, with throat of blue, scarlet, rose and crimson, or the tubes are of bright colors with white throats. They bloom until late in summer. Pkt., 25c.

**GYPSOPHILA PANICULATA.**

White. Pkt., 5c.

**GOURDS.**

These have been selected for the ornamental character of their foliage, the singularity of their fruits, and the peculiarity of their color. Some are of very large size and of curious form, while others are small. Wherever grown they never fail to excite admiration.

**Orange.** The well known mock orange. Pkt., 5c.



**Japanese Nest Egg.** White; a perfect imitation of an egg. Do not crack and are not injured by heat or cold. Very ornamental climbers and the best of nest eggs. Pkt., 5c.

**Heracles Club.** The longest of all the varieties; long, large, club shaped. Pkt., 5c.

**Pear Shaped.** Very beautiful; yellow and green striped, cream color. Pkt., 5c.

**Lemon.** Yellow, very small, showy. Pkt., 5c.

**Bottle.** Handsome and useful. Pkt., 5c.

**Sipho, or Dipper.** Long, slim handles, useful for dippers. Pkt., 5c.

**Luffa (Dish Rag or Bonnet Gourd).** A natural and desirable dish cloth is furnished by the peculiar lining of the fruit, which is sponge-like, porous, very tough, elastic and durable. Many prefer this dish cloth to any. Pkt., 5c.

**Finest, mixed.** Pkt., 5c.

**GERANIUM.**

Plants raised from seed sown early in the spring are decorative in the summer. The gorgeous flowers are produced all summer, and for bedding or house culture they are very popular.

**Geranium Zonale, Mixed.** All colors. Pkt., 10c.

**Double, Mixed.** This mixture contains a greater per cent of double flowers than any strain. Flowers large, and the colors are very choice. Pkt., 25c

**GODETIA.**

An attractive, hardy annual, that deserves to be cultivated more extensively. Bear showy flowers of rich and varied colors.

**Finest Mixed.** All colors. Pkt., 5c.

**Lady Satin Rose.** Flowers brilliant carmine, shading rose pink at the edges, the surface shining like satin. Pkt., 5c.

**GLOBE AMARANTH.**

(*Gomphrena Globosa.*)

Often called English Clover and Bachelor's Button; fine for winter bouquets of dried flowers; useful in mixed flower beds, as they bloom all summer.

**Finest Mixed.** Pkt., 5c.

**GOLDEN FEATHER.**

(*Pyrethrum Parthenifolium Aureum.*)

A beautiful dwarf plant, six to nine inches high, of compact growth, forming an elegant feature for ribbon borders, marginal lines or for the general purposes of the flower garden. Foliage golden yellow. Pkt., 5c.

**GAILLARDIA.**

Splendid bedding plants, remarkable for the profusion, size and brilliancy of their flowers. Bloom all summer.

**Picta.** Mixed, all colors. Pkt., 5c.

**Picta Lorenziana.** Double Gaillardia. This is an introduction of the greatest importance, and one which will prove to be of lasting merit. As an ornamental plant, and on account of its long duration of bloom and its usefulness for cut flowers, it cannot be too highly recommended. Pkt., 5c.

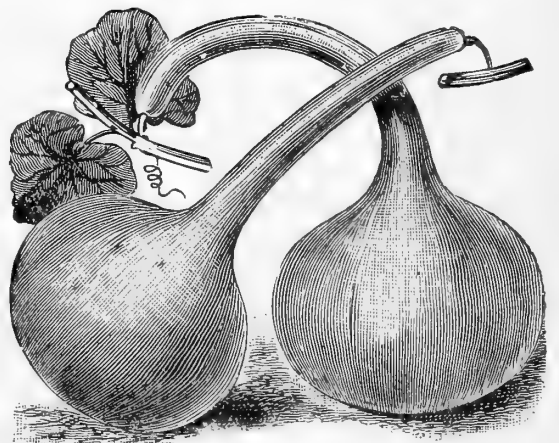
**GILIA.**

Very dwarf plants, early, free blooming, fine for massing or rock work.

**Mixed.** All colors. Pkt., 5c.



GAILLARDIA LORENZIANA.



GOURDS. DIPPER.

**HOLLYHOCK.**

An old popular favorite; flowers form perfect rosettes of the most lovely shades of yellow, crimson, rose pink, white, etc.

**LEONARD'S MAMMOTH.**

We have a superfine strain of Hollyhock. They are grand types of fine colors, and most double and large. The spikes are extraordinarily large and fine. **Mixed**, pkt., 10c.

**Double White.** Large pure white, perfect. Pkt., 10c.

**Double Yellow.** Buff, straw and orange shades. Pkt., 10c.

**Bright Red.** Double. Pkt., 10c.

**Bright Pink.** Double. Pkt., 10c.

**Extra Double.** Mixed. Pkt., 5c.

**HIBISCUS.**

**Crimson Eye.** Flowers immense in size, often measuring twenty inches in circumference. The color is of the purest white, with a large spot of deep, velvety crimson in the center of each flower. A striking combination of color. It is a robust grower, with dark red stems and foliage. It will succeed anywhere. A well developed plant will produce several hundred of these flowers in a season. Blooms the first season from seed. The root is semi-tuberous. Always comes true from seed. Pkt., 5c.



LEONARD'S MAMMOTH HOLLYHOCK.

**HELICHRYSUM.**

The best of all the Everlastings. Large and showy plants for the border, grow generally about two feet high. Very ornamental, and highly prized for dried winter bouquets. Easily grown, and succeed anywhere. Flowers should be cut before fully expanded.

**Monstrosum, Finest Mixed.** Improved large double flowers. Very fine. Pkt., 5c.

**ICE PLANT.**

(*Mesembryanthemum Crystallinum.*)

Pretty little trailing plants of dwarf habit. Leaves are covered with crystal-like icy globules. Pkt., 5c.

**KAULFUSSIA.**

Desirable compact dwarf free flowering plants, resembling single asters.

**Mixed**, all colors. Pkt., 5c.



HELICHRYSUM.

**JOB'S TEARS.**

(*Coix Lachryma.*)

Curious ornamental grass with broad, corn-like leaves; and seeds of a light slate color. Valuable for the formation of winter bouquets, in connection with everlasting flowers. Strings of handsome beads are made from the seeds. Hardy annual; three feet high. Pkt., 5c.

**IPOMÆA.**

**Ipomæa Bona Nox.** Evening Glory. Beautiful white, very large blossoms, which expand in the evening. Pkt. 5c.

**HELIOTROPE.**

Deliciously fragrant flowering plants, fine for pot or garden culture. Succeeds in any rich garden soil. Bloom almost constantly. **Heliotrope, Mixed.** Pkt., 10.



HELIOTROPE.

**HUMULUS.**

(JAPANESE HOP.)

**Japonicus.** A rapid climber. The foliage is bright green, and resembles the common hop. It is one of the best vines for covering verandas, trellises, etc. Especially desirable, as insects do not trouble it. Pkt., 5c.

**Japonicus fol. var.** Similar to the above sort, but with beautiful variegated foliage. Pkt., 5c.

**HELIANTHUS.** See Sunflower.

**IBERIS.** See Candytuft.

**ICE PLANT.** See Mesembryanthemum.

**INDIAN SHOT.** See Canna.

**IPOMÆA IMPERIAL JAPANESE.** See Morning Glory.

**IPOMÆA QUAMOCLIT.** See Cypress Vine.

**JOSEPH'S COAT.** See Amaranthus Tricolor.



LINUM.

**LINUM.**

(FLOWERING FLAX.)

**Linum Grandiflorum Coccineum.** One of the handsomest annuals ever introduced. For brilliancy of color and duration of bloom it is unsurpassed. Pkt., 5c.

**ANNUAL LARKSPUR.**

**Double Dwarf Rocket.** Pkt., 5c.

**Double Tall Rocket.** Mixed. Pkt., 5c.

**Emperor.** Produces an abundance of long, slender flower spikes in the most delicate colors. Many colors mixed. Pkt., 5c.

**PERENNIAL LARKSPUR.**

Handsome and well known hardy perennials, with splendid flowers and curiously cut leaves; for permanent beds and borders they are indispensable.

**Mixed Varieties.** Pkt., 5c.

**LAVENDER.**

This plant is much prized for the delicious fragrance of its violet flowers.

**Lavender.** Fragrant. Pkt., 5c.

**LATHYRUS LATIFOLIUS.**

(EVERLASTING PEA.)

**Everlasting or Hardy Sweet Pea.** Hardy climbers, growing 6 to 8 feet high when trained on a trellis; the flowers are borne in large clusters. One of the hardiest and most easily cultivated of plants. The long, leathery roots penetrate to a great depth, rendering these plants peculiarly adapted to rough places to scramble over rocks and bushes; splendid cut flower. **Scarlet,** pkt., 5c.; **mixed,** pkt., 5c.

**LANTANA.**

Free-flowering plants, which are desirable for summer bedding, on account of the profusion of brightly colored flowers. Our fine mixed seed will produce plants with a wide range of colors.

**Fine Mixed.** Pkt., 10c.

**LOBELIA.**

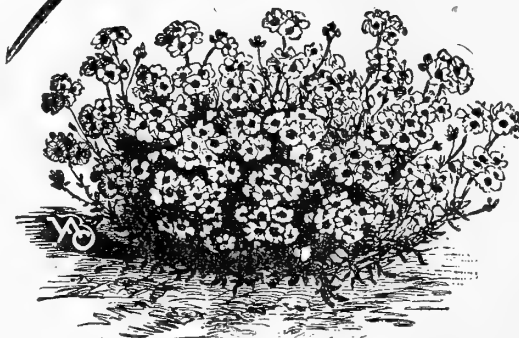
Delicate foliage and pretty little blue and white flowers. Very attractive.

**Lobelia Erinus.** Pretty deep blue flowers. Very profuse bloomer. Pkt., 5c.

**Crystal Palace Compacta.** Intense blue, dark foliage. Best for bedding purposes. Free bloomer. Pkt., 5c.

**Speciosa.** Dark blue, best for hanging baskets. Pkt., 5c.

**Finest Mixed.** This mixture is very fine and includes many sorts. Pkt., 5c.



LOBELIA.

**SPECIAL  
PRICES  
ON  
FLOWER  
SEED  
IN BULK.**

**LUPINUS.**

(SUN DIALS.)

Free flowering, easily grown plants, with long spikes of rich and varied colored pea-shaped flowers.

**Mixed Annual.** Pkt., 5c.

**LEMON VERBENA.**

Easily grown from seed. A universal favorite. The leaves are delightfully fragrant and refreshing. Pkt., 10c.

**LOVE GROVE.**

(Nemophila.)

Of dwarf spreading habit, and well adapted for border or pot culture. The flowers are single, each petal having a large distinct blotch. Peculiarly beautiful. Hardy annual; six inches high.

**Mixed Varieties.** Pkt., 5c.

**LOVE-IN-A-MIST.**

(Nigella.)

This singular plant is known as Lady-in-the-Green and as Devil-in-the-Bush, because the blossoms are partly concealed by the abundance of finely cut foliage. Hardy annual.

**Damascena fl. pl.** Double blue blossoms; one and one-half to two feet high. Pkt., 5c.

**LYCHNIS.**

There are few plants that produce more brilliant colored blossoms than Lychnis. The flowers are produced in clusters, and are constantly coming out all summer. Hardy perennials; one to three feet high.

**Chalcedonica.** (London Pride.) Bright scarlet; two feet high. Pkt., 5c.



LYCHNIS.

**ALL FLOWER SEEDS AND SUMMER FLOWERING BULBS SENT FREE BY MAIL  
AT CATALOGUE PRICES.**

**PLANTS SENT BY MAIL ONLY WHERE NOTED.**



**MARIGOLDS.**

Old time garden favorites. Everybody knows Marigolds, and as they are the easiest grown annuals, are general favorites. Their odor is perhaps not agreeable to everyone, but this little defect is largely compensated for by the beauty of both flowers and plants, the long duration and usefulness of their blossoms. The foliage is always green and handsome, even during the hottest months; insects will rarely ever attack them; they are always in bloom. The colors are of the brightest rich golden yellow, a shade by no means common amongst flowers, lemon yellow, orange and brown. The flowers of the tall sorts are of immense size, often attaining a circumference of twelve inches and over, and are as double as a rose.

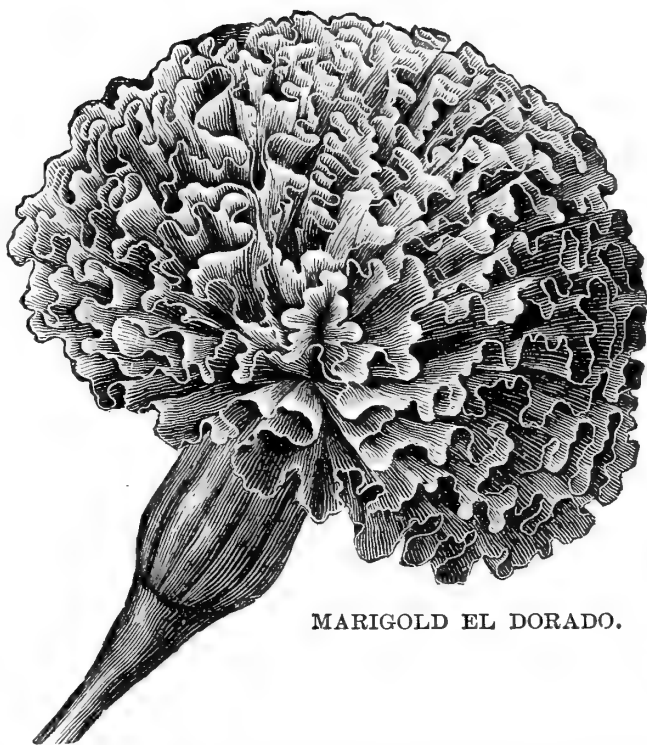
**El Dorado.** Flowers very large, petals imbricated and extremely double. Flowers in all shades of yellow, from the palest primrose to the deepest orange. Pkt., 5c.

**Large African.** Tall, double; orange, brown and yellow. Pkt., 5c.

**Dwarf French.** Fine colors, mixed, double. Pkt., 5c.

**MAURANDIA.**

This vine is better than any of the Ivies for the window garden, and almost equal to Smilax in delicate beauty. It is hardy even out of doors, and needs no extra care to succeed inside. It drapes its support with long masses of slender, small leaved vines that are as fine as Smilax for cutting and decoration, and much less conventional in effect. It blossoms profusely, is easily grown from the seed and roots readily from cuttings. Maurandia is decidedly a vine for the amateur. Mixed colors. Pkt., 10c.



MARIGOLD EL DORADO.

**MATHIOLA BICORNIS.**

**Night Scented Stock.** An annual garden plant grown for its delicious perfume, which is emitted in the evening and morning, also after a shower. One foot. Pkt., 5c.

**COMMON MORNING GLORIES**

(*Convolvulus Major.*)

Climbing plants; unequaled for rapidity of growth and profusion of bloom; annuals attaining a height of 30 to 50 ft.

White. Oz., 10c.; pkt., 5.

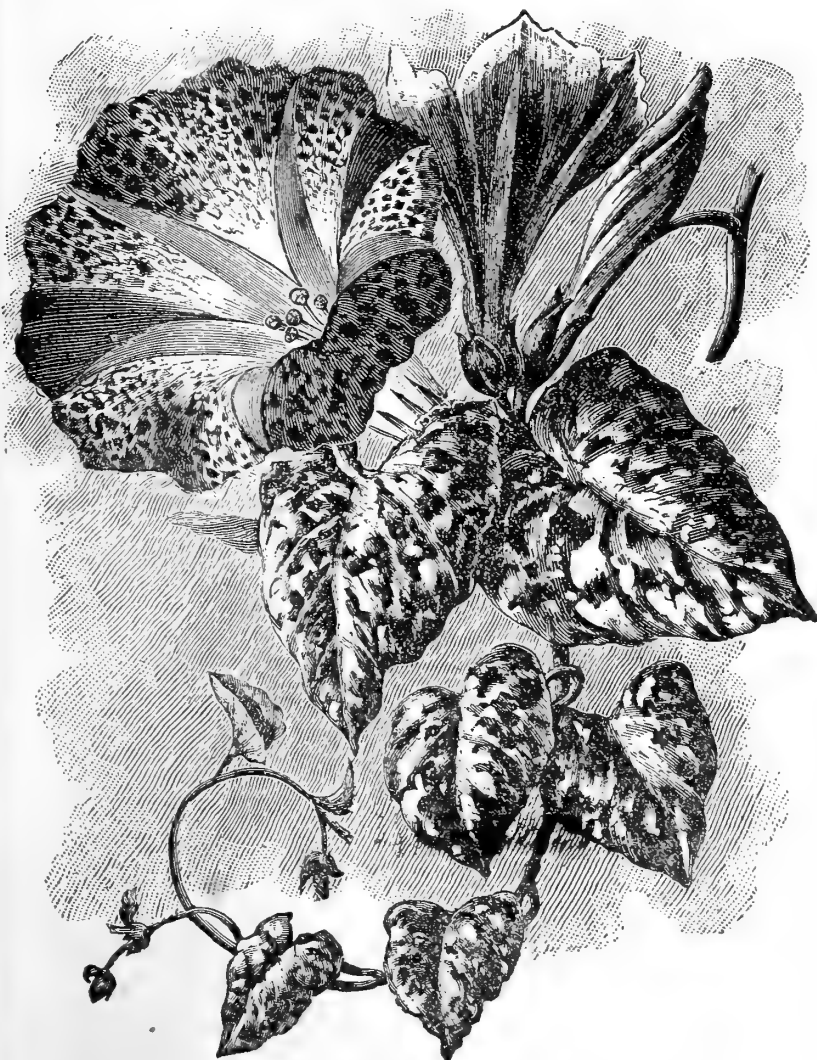
Red. Oz., 10c.; pkt., 5c.

Blue. Oz., 10c.; pkt., 5c.

Mixed. Oz., 5c.

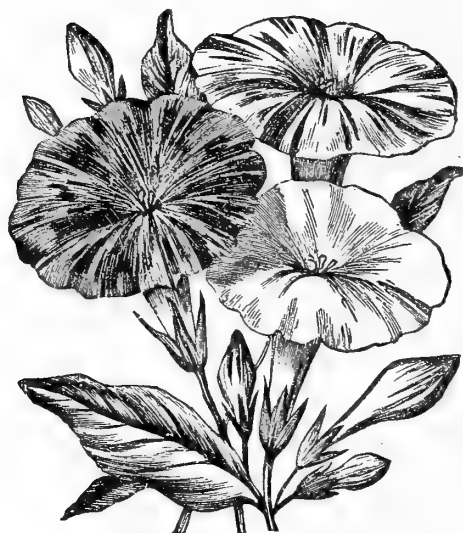
**GIANT IMPERIAL JAPANESE MORNING GLORIES.**

The flowers of these Morning Glories are double the size of the ordinary Morning Glory, running from four to six inches across. The vines are strong and robust, growing from 30 to 50 feet high during the season. The leaves are heart shaped. Some vines have dark green foliage, others have silvery leaves or yellow. Some leaves are mottled dark green, white and gray. The chief beauty, however, is not their leaves or gigantic size, but the beautiful coloring of the large flowers. The colors, shading and markings are numberless. Some flowers are deep, rich and velvety, others are daintily tinted and shaded. The solid colors range through all the shades of red, from soft rose to crimson and maroon; from light to deep blue indigo and blackish purple; from snow white to cream and silver gray. Some are striped, starred and spotted, or edged with the brightest contrasting colors. Sow early



GIANT IMPERIAL JAPANESE MORNING GLORIES.

in a warm, sunny place in good, rich soil. Single and double, all colors, mixed. Oz., 30c.; pkt., 10c.



MARVEL OF PERU.

**MARVEL OF PERU (Mirabilis).**

(FOUR-O'CLOCKS.)

Free blooming annuals, the flowers of which remain closed until late in the afternoon, when they open rapidly and in a few minutes the plants are literally covered with bloom. The colors are silvery white, bright pink and rich yellow. Our mixed strains also embrace many beautiful striped varieties. The tall sorts grow two and one-half feet high, and the dwarf, which embraces the same colors, only twelve to fifteen inches. The variegated has golden leaves striped with green, and embraces both white and pink flowered plants.

**Mixed.** Pkt., 5c.; oz., 10c.**New Tom Thumb, mixed.** Pkt. 5c.**MIGNONETTE.**

(Reseda Odorata.)

A well known fragrant favorite. Fine for pot or garden culture. Can be had during the whole year by sowing at intervals. The air near a Mignonette bed is filled with a spicy odor and the flower clusters are visited by thousands of honey bees.

**Parson's White.** Long spikes. Pkt., 5c.**Golden Queen.** Spikes bright golden yellow. Very attractive and fragrant. Pkt., 5c.**Sweet Scented.** Very fragrant. Pkt., 5c.**Improved Machet.** Dwarf, vigorous, with massive red flowers, deliciously scented. Pkt., 5c.**Giant White Spiral.** Two to three feet high. Spikes ten inches. Color, snow white. Pkt., 5c.**Finest Mixed.** A very fine mixture, including all the best sorts. Pkt., 5c.; oz., 15c.**MIMULUS.**

Mimulus makes admirable pot plants, and equally adapted for beds in the garden, in moist and shady positions. The colorings and markings are rich in the extreme, ranging through velvety crimson, maroon, yellow, white and pink, spotted and blotched in a beautiful manner.

**Fine Mixed Spotted Varieties.** One foot. Pkt., 5c.**Moschatus.** (Musk Plant.) Foliage emits a strong musky perfume. Yellow. One-half foot. Pkt., 5c.**MIMOSA PUDICA.**

(SENSITIVE PLANT.)

Curious annual. The leaves instantly close up when touched. A neat plant for either pot or garden culture. Two feet. Pkt., 5c.



MACHET.

**MOMORDICA.**

(BALSAM APPLE.)

A curious annual climber, with yellow blossoms and foliage similar to the canary bird flower. The fruit, the chief curiosity, is pear-shaped, and has a warty skin. When ripe, the fruit bursts open, and shows a brilliant interior of large, carmine colored seeds. Fine for trellises, etc.

**Balsam Apple.** (Balsamina.) Pkt., 5c.**Balsam Pear.** (Charantia.) Pkt., 5c.**MOON FLOWER.**

(Ipomœa Grandiflora Alba.)

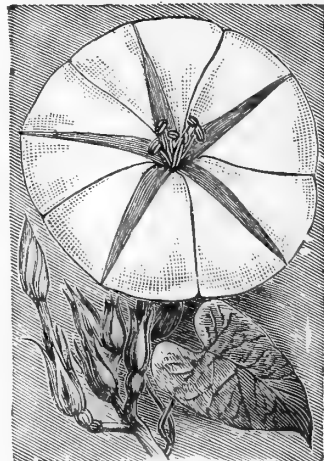
This is one of the most vigorous of all the summer climbers. Will grow thirty to forty feet in a single season and will be covered with its large, white flowers every evening and cloudy day. The hard, outer coat of the seed should be cut through with a sharp knife and the seed planted in a warm place. If the soil be kept moist, germination will take place in ten days to two weeks. After the plants are up tend carefully and plant out when danger of frost is past. Rich soil tends to make the plant run to vines and leaves, while poor earth will produce earlier and more abundant flowers. This variety is also known as *Ipomœa Noctiflora*. Pkt., 10c.

**NICOTIANA AFFINIS.**

A handsome genus of garden plants of the tobacco family, which are noted for the freedom and fragrance of their bloom. Half hardy annuals, three feet high. Flowers white, salver shaped, having long, tubular corollas, and are of exquisite fragrance. Deserve a place in every garden. Pkt., 5c.

**NOLANA.**

Beautiful trailing plants with prostrate stems. Fine for rock work, pots, baskets and vases, as the branches hang pendulous over the edge of vase or basket. The blossoms are produced abundantly and are convolvulus shaped, brilliant, and of various colors. Hardy, trailing annual. Six inches high.

**Mixed.** Pkt., 5c.

MOON FLOWER.

ALL FLOWER SEEDS AND SUMMER FLOWERING BULBS SENT FREE BY MAIL AT CATALOGUE PRICES.  
PLANTS SENT BY MAIL ONLY WHERE NOTED.

## NASTURTIIUMS.

(DWARF OR TOM THUMB.)

The improved Dwarf or Tom Thumb Nasturtiums are unrivaled for beauty and effect. They form compact plants not over a foot high, making gorgeous masses of color from early summer until killed by frost. Succeeding under all weather and conditions, and unsurpassed for all garden purposes. Plant the seed freely anywhere.

**Aurora.** Chrome yellow, the two lower petals blotched and veined carmine. Pkt., 5c.; oz., 10c.

**Beauty.** Golden orange, flamed scarlet. Pkt., 5c.; oz., 10c.

**Bronze Color.** Of a burnished coppery bronze. Pkt., 5c.; oz., 10c.

**Chameleon.** Not only are the flowers of various colors produced on the same plant, but these flowers are variously blotched, striped and bordered in rich contrasting shades. On one and the same plant are found self-colored flowers, others curiously stained and flushed on a clear ground, while others are broadly edged or banded with light or dark shades. Pkt., 5c.; oz., 10c.

**Cloth of Gold.** Golden yellow foliage, flowers scarlet. Pkt., 5c.; oz., 10c.

**Crystal Palace Gem.** Sulphur yellow, spotted maroon. Pkt., 5c.; oz., 10c.

**Golden King.** Grand flowers three inches across; deep golden yellow, maroon blotches. Pkt., 5c.; oz., 10c.

**Empress of India.** Brilliant crimson, dark foliage. Pkt., 5c.; oz., 10c.

### GOLDEN QUEEN. NEW 1902.

**Golden Yellow flowers on Golden Foliage.** Pkt., 10c.

**King of Tom Thumbs.** Crimson. Pkt., 5c.; oz., 10c.

**King Theodore.** Deep chocolate crimson, dark foliage. Pkt., 5c.; oz., 10c.

**Lady Bird.** Ground color is a rich golden yellow, each petal barred with ruby crimson. Pkt., 5c.; oz., 10c.

**Lilli Schmidt.** Orange yellow, blotched with brown. Pkt., 5c.; oz., 10c.

**Pearl.** White. Pkt., 5c.; oz., 10c.

**Prince Henry.** Cream color, spotted scarlet and tipped with wine red. Pkt., 5c.; oz., 10c.

**Regalianum.** Violet ruby. Pkt., 5c.; oz., 10c.

**Rose.** Pkt., 5c.; oz., 10c.

**Ruby King.** Light ruby red. Pkt., 5c.; oz., 10c.

**Spotted.** Deep orange, crimson blotches. Pkt., 5c.; oz., 10c.

Leonard's Special Mixture of Dwarf or Tom Thumb Varieties comprises all the new and special sorts. Per pkt., 5c.; oz., 10c.; 1-4 lb., 30c.; lb., \$1.00.

### TALL OR CLIMBING NASTURTIIUMS.

**Dark Crimson.** Rich and velvety. Pkt., 5c.; oz., 10c.

**Edward Otto.** Flowers brownish lilac with a yellow spur. Pkt., 5c.; oz., 10c.

**Heinemanni.** Silky bronze chocolate. Pkt., 5c.; oz., 10c.

**Hemisphaericum.** Very showy, lemon yellow with crimson blotches. Pkt., 5c.; oz., 10c.

**King Theodore.** Velvety dark brown. Pkt., 5c.; oz., 10c.

**Nankeen.** Yellow. Pkt., 5c.; oz., 10c.

**Pearl.** The nearest approach to creamy white. Pkt., 5c.; oz., 10c.

**Regelianum.** Deep violet ruby. Pkt., 5c.; oz., 10c.

**Scarlet.** Intensely bright scarlet. Pkt., 5c.; oz., 10c.

**Sunlight.** Bright yellow. Pkt., 5c.; oz., 10c.

**Vesuvius.** Salmon rose, dark leaves. Pkt., 5c.; oz., 10c.

**Von Moltke.** Bluish pink. Pkt., 5c.; oz., 10c.

Leonard's Special Mixture of Tall Nasturtiums, per pkt., 5c.; oz., 10c.; 1-4 lb., 25c.; lb., 80c.

### CLIMBING NASTURTIIUM.

(MADAM GUNTER'S HYBRIDS.)

The new Hybrids of Madam Gunter make a strong growth, climbing from five to six feet high, and are covered from spring to fall with large, substantial flowers of the most brilliant shades. They are remarkable for their wide range of colors, embracing rose, pink, salmon, purple, velvety dark maroon, light yellow, and deep orange in self colors, as well as striped and blotched in the most fanciful manner. So ornamental is this new strain that it deserves a place in every garden, either for climbing or trailing from vases or over the ground. Pkt., 10c.

### LOBB'S CLIMBING NASTURTIIUMS.

(*Tropeolum Lobbianum*.)

They are as easily grown as the common Tall Nasturtium, which they far surpass in brilliancy of their flowers, in height, rapid growth and freedom of bloom. Also very desirable for winter blooming.

**Brilliant.** Deep scarlet. Pkt., 5c.; oz., 15c.

**Crystal Palace.** Very bright orange, salmon flowers. Pkt., 5c.; oz., 15c.

**Spitfire.** Bright, fiery scarlet. Pkt., 5c.; oz., 15c.

**Choice, mixed.** Pkt., 5c.; oz., 15c.



MADAM GUNTER'S NASTURTIIUMS.

**25 Cents** worth extra given to all customers sending \$1.00 for seeds in packets or by the ounce.



## PANSIES.

### THE UNIVERSAL FAVORITES.

#### LEONARD'S SPECIAL STRAIN OF GIANT FIVE-SPOTTED PANSY.

Enormous sized Pansies of rich, velvety texture. Every one is different and all are distinctly marked with rich and varied shades and colorings. These Pansies are the most perfectly formed of any we have ever seen. Flowers are carried on good strong stems and are of good substance. Their robust growth makes them a general favorite. Every lover of Pansies should try this strain. Pkt., 15c.

**Leonard's Giant Prize Mixed Pansies.** Largest prize varieties. Grand, rich, velvety colors. Pkt., 10c.

**Leonard's Giant Butterfly.** This strain is beautifully marked and blotched. Large, fine form and of endless colors. Pkt., 10c.

**Giant Red.** Bright coppery shades. Pkt., 10c.

**Giant Mahogany.** A velvety, reddish brown. Pkt., 10c.

**Giant Uncle Tom.** Finest black, deep jet; very velvety and large. Pkt., 10c.

**Giant Lord Beaconsfield.** Flowers deep purple violet, shading to white at the upper petals. Pkt., 10c.

**Trimardeau Giant.** The largest of all the Pansies. The blossoms are simply enormous, perfect in form and run through all the varieties of colors, from the lightest shade to the darkest purple. Marked with three large blotches. Pkt., 10c.

**Giant Odier.** Handsome blossoms, being very large and perfect in form, with dark, deep velvety blotches, margined with an endless variety of colors; extra large and fine. Pkt., 10c.

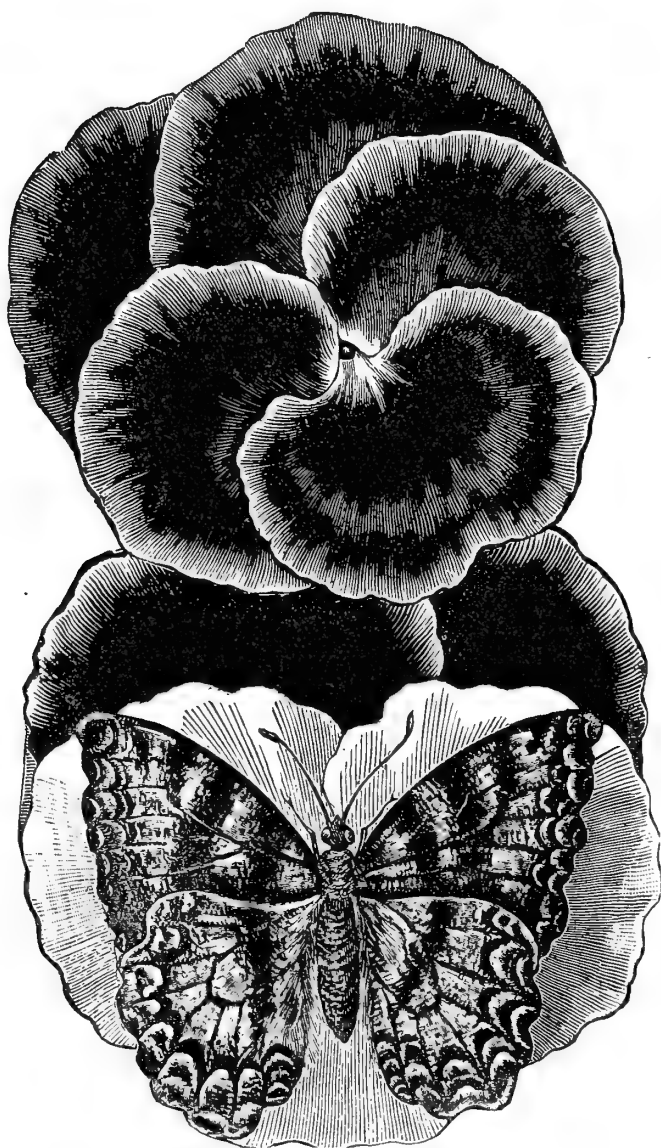
**Victoria.** The best red Pansy. It is a beautiful, rich deep red color throughout. Large, velvety and of fine form. Pkt., 10c.

**Giant Brown.** All shades of this color. Pkt., 10c.

**Giant Blue.** All shades of light and dark blue. Pkt., 10c.

**Giant Yellow.** From the lightest yellow to the deepest old gold. Pkt., 10c.

**Giant Purple.** Rich velvety. Pkt., 10c.



LEONARD'S GIANT BUTTERFLY.

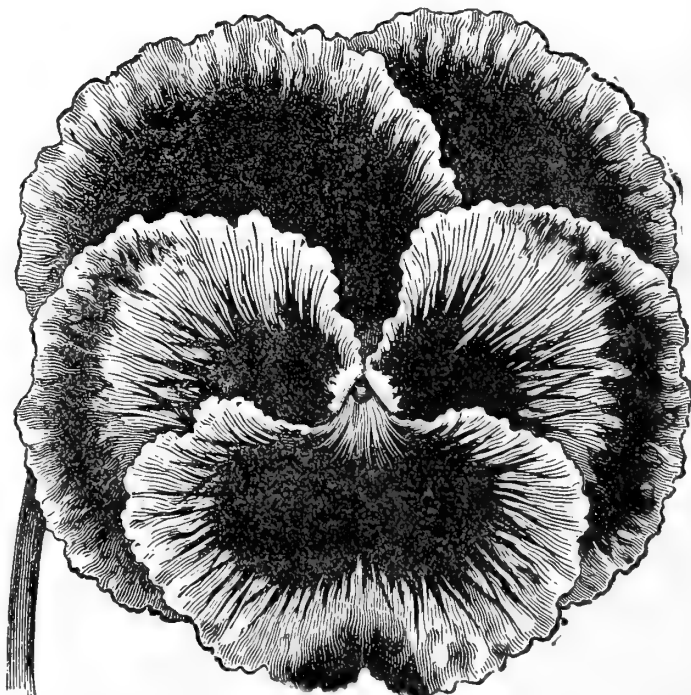
**Giant Snow Queen (Candidissima).** Very large, satiny, pure white. Fine for bouquets or cemetery use. Pkt., 10c.

**Giant Emperor William.** Large, handsome flowers, borne in great profusion well above foliage. Brilliant ultramarine blue, with a purple violet eye. Pkt., 10c.

**Fine Mixed.** A very good strain in a great variety of colors. Pkt., 5c.

**Bugnot's Large Stained Parisian. Mixed Colors.** This splendid new class produces flowers of immense size and of the most varied and attractive markings and colors, each petal bearing a blotch that almost entirely covers it, so as to resemble the Lady Washington Geranium. The plants are of sturdy habit, and the flowers are borne well above the leaves, showing them to the best advantage. This is the most striking and showy pansy introduced for years. Pkt., 15c.

**Masterpiece.** This strain comes nearer to Double Pansies than anything ever introduced under that name. In reality the number of petals is the same as that in other Pansy flowers, but they are crimped and curled in such a fashion that the flowers appear double. The flowers are of enormous size, often three inches across, and the color variations and combinations are odd and striking. Pkt., 15c.



LEONARD'S GIANT FIVE-SPOTTED PANSY.

**PANSIES.—Continued.**

**Giant Fancy Striped.** An infinite variety of beautiful colors, curiously striped and flamed. Our stock is very select. The plants are vigorous and compact in growth. Immense flowers of fine form and texture, rich and velvety. Pkt., 10c.

**Aurora.** Flowers large. Color pure white without blotches. Pkt., 10c.

**Mad. Perrett.** Edge of petal is frilled. The colors are of dark wine, pink and red, beautifully veined, and all with a white margin. Pkt., 10c.

**Cassier.** This is a very fine mixture of pansies marked with three or five blotches on rich backgrounds. The flowers are very large, round, and borne on stiff stalks emerging from bushy, compact plants. This mixture contains a great many red shades. Pkt., 10c.

**Peacock.** Very striking. Form and substance perfect. Upper petals beautiful ultramarine blue, resembling in shade the peacock feather. Lateral and lower petals are of a deep claret, margined white. Pkt., 10c.

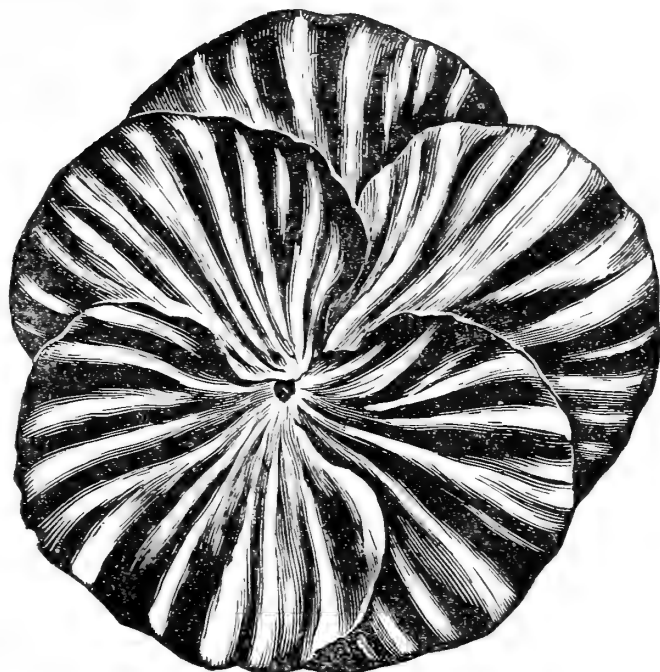
**POPPIES.**

Showy, large, brilliant colored flowers, growing freely in any garden soil. Produce a fine effect in clumps or beds.

**Golden Gate.** Recall to mind every color you have seen in poppies, then imagine every conceivable combination of colors—striped, blotched, edged and bordered, on both single, semi-double and double flowers—and you will have but a faint idea of the wondrously varied beauty of the new Golden Gate poppies. Pkt., 5c.

**Fayal.** The seed of these first came from the Fayal Islands. They are charming dwarf plants, producing double and single flowers, which are like crinkled tissue paper, and of every imaginable poppy color, deepest red, terra cotta, salmon, soft and bright pink, pure white, grey, etc. Pkt., 5c.

**Finest Mixed.** All colors and varieties. Pkt., 5c.



GIANT FANCY STRIPED PANSY.



POPPY.

**Snow Drift.** A grand variety. The large, pure white flowers are perfectly round and double. Pkt., 5c.

**Shirley.** The absence of black blood gives them their wonderful light, bright tissue paper-like appearance. The colors range from purest white, through pinks of all shades, to glowing scarlet, but a scarlet without black. Some are red with white edges, and others veined and streaked and flaked from the center toward the edges in the most charming confusion. Mixed colors, extra fine strain. Pkt., 5c.

**The Mikado.** Of pure white and brilliant crimson scarlet. Large double flowers of quaint, artistic beauty, with petals deeply cut and fringed. Pkt., 5c.

**Fairy Blush.** The immense globular flowers are perfectly double, and measure from ten to thirteen inches in circumference. The petals are elegantly fringed and pure white, except at the tips, where they are distinctly colored with rosy cream. The foliage grows only twelve to fourteen inches in height, above which the flowers are borne on long stems. Pkt. 5c.

**Poppy Carnation Flowered.** Very fine, double fringed flowers, all colors. Pkt., 5c.

**PETUNIA.**

For outdoor decoration or house culture, few plants are equal to this class. They commence to bloom early, and continue to flower through the summer. Give them a rich soil and sunny place.

**Double Mixed, Large Flowering.** Flowers twice the size of the ordinary strain, and the most beautiful colors. Produce a larger per cent of double than most strains. Pkt., 25c.

**Single Large Flowering.** Mixed, all colors. Pkt., 10c.

**Fine Mixed.** All colors. Pkt., 5c.



PETUNIA.

**OUR WILD FLOWER GARDEN MIXTURE** Comprises many varieties of beautiful, hardy, easy growing flowers that will produce a constant and varied bloom all summer. This mixture comprises Mignonette, Candytuft, Larkspurs, Poppies, Pinks, Asters, Foxgloves and many others that are equally as great favorites. Large pkt., 5c.; oz., 10c.



## HARDY GARDEN PINKS.

These flowers are without a superior among annual garden plants. Bloom continually all summer long, and are most beautiful and lasting cut flowers. Of easy culture and bloom the first year from seed. Very fragrant.

### DOUBLE ANNUAL PINKS.

**Double Chinese Pinks.** (See cut.) Flowers large and double. This beautiful variety does well anywhere. Rich in color, of extraordinary size and substance. Pkt., 5c.

**Double Heddewegii.** Large flowers, beautiful rich colors, finely marked. Pkt., 5c.

**Double Diadem Pink.** Of dwarf, compact habit, of various tints of rose, maroon and purple; one of the best; with brilliant markings and dazzling colors. Pkt., 5c.

**Double Japan Pinks.** This is a strain superior to any we have previously had. The flowers are large, double, of the brightest colors, handsomely fringed and borne on long, stiff stems, making them one of the most useful flowers for bouquets. Pkt., 5c.

**Double Imperial Pink, mixed.** Pkt., 5c.

**Eastern Queen.** Beautifully marbled; the broad bands of rich mauve upon the paler surface of the petals are very striking and pretty. Pkt., 5c.

**Crimson Belle.** Rich, vivid crimson-like color; flowers of extraordinary size and substance, evenly and finely laciniated. Pkt., 5c.

**Snow Queen Pink.** This is an extra fine selection of the large flowering double White Japan Pink, the very best strain we have ever seen. The flowers are extremely large, often three inches in diameter, and resemble a white carnation. They are produced in great abundance, and are borne on long, stiff stems, which, combined with their lasting qualities, render them one of the prettiest of white flowers. Pkt., 5c.

## PASSIFLORA.

(PASSION FLOWERS.)

Magnificent twiners of unrivaled elegance and of commanding beauty. The foliage is graceful and attractive, and the flowers are truly gorgeous.

**Passiflora Cœrulea.** The most beautiful and remarkable variety grown, producing rich, green foliage and sky blue flowers, followed in the autumn by a profusion of golden fruit. Pkt., 5c.

## PYRETHRUM.

(FEVERFEW.)

Very useful and universally admired ornamental foliage bedding plants. Sow from December to April in shallow boxes in a temperature of 60°. As soon as the young plants can be handled transplant singly into small pots or shallow boxes, where they may remain until the time of planting out into the open ground in May. (See also *Matricaria*.)

**Parthenifolium aureum.** (*Golden Feather*.) Beautiful, gold leaved bedding plant. Flowers white; height 1 foot. Pkt., 5c.





## PHLOX DRUMMONDI.

IMPROVED LARGE FLOWERING VARIETIES.

An indispensable, constant blooming favorite, which should occupy a prominent place in every garden for clumps or massing. Very desirable for their duration of bloom and display of brilliant, dazzling colors. Hardy annuals. The large flowering sorts are extraordinarily fine.

**Pure White.** Fine, clear white. Pkt., 5c.

**Rose.** A bright rose. Beautiful. Pkt., 5c.

**Isabellina.** Pale yellow. Pkt., 5c.

**Striata.** Striped scarlet and white. Pkt., 5c.

**Double White.** A profuse bloomer. Charming, densely double white flowers. About 60 per cent come true from seed. Pkt., 10c.

**Coccinea.** Brilliant scarlet, very bright. Pkt., 5c.

**Star of Quedlinburg.** Different from all other phloxes. The center petals, which are five in number, are elongated from four to five times the length of the lateral ones. Distinct and star-like. Pkt., 5c.

## PERILLA.

(*Nankinensis Atropurpurea*  
*Laciniata.*)

Ornamental foliage plants similar to Coleus. Fine for bedding with silver leaved plants. Foliage metallic bronze; same culture as for Coleus. Half hardy annual. Pkt., 5c.



DOUBLE PORTULACA.

## PORTULACA.

(MOSS ROSE.)

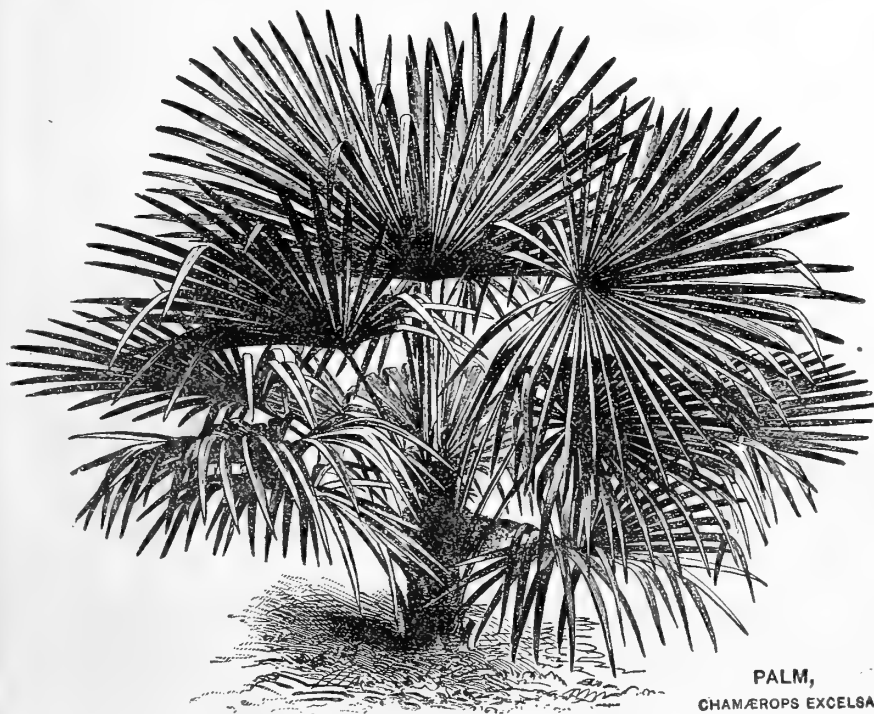
Brilliant dwarf annuals, six inches high. Plant in sunny place and sandy soil. Bloom all summer.

**Single Mixed Colors.** Pkt. 5c.

**Double Mixed.** Rose flowered. Beautiful brilliant colors of great variety. Pkt., 10c.

## STATELY PALMS.

As decorative plants for the house, many species of Palms are rarely prized. Happily those species which will thrive in ordinary heat and with the least care are among the handsomest and most desirable of the genus. They will do well at a window where there is little or no direct sunshine. This peculiarity makes these plants adapted to places quite unsuited to ordinary house plants. A regular, but not excessive, supply of water and a fair light are all the plants demand during the cool season. In summer a more liberal watering is required. The soil should be a substantial fibery loam, with a small quantity of well rotted manure. A daily syringing of the leaves is an advantage, but in winter once a week is sufficient. If kept in a living room with dry furnace heat, daily syringing or spraying the leaves is advisable. Those varieties that are hardy enough to bear planting out on the lawn during warm weather are sure to command attention.



PALM,

CHAMÆROPS EXCELSA.

**Chamærops Humilis.** (Dwarf Fan Palm.) The most hardy and dwarf of its species, seldom attaining over eight or ten feet in height. Pkt. 10c.

**Chamærops Excelsa** is a greenhouse variety in our climate. As a lawn plant in our southern states nothing could be more conspicuously attractive. A well grown specimen will attain the height of twenty-five or thirty feet. Pkt., 10c.

## PRIMROSES.

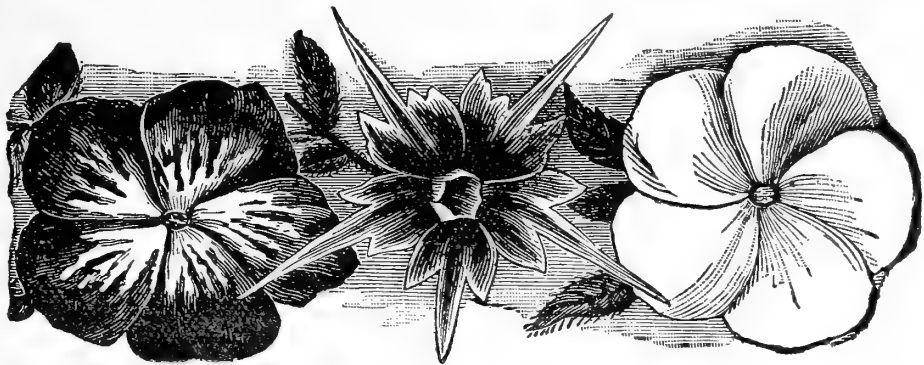
A charming and profuse flowering plant, indispensable for winter blooming.

**Primula. Finest Mixed.** All colors, very fine. Pkt. 25c.

## HARDY PHLOX.

(*Phlox Decussata.*)

These rank among the finest herbaceous plants for beds and borders. Magnificent large, waxy flowers of lovely shades of color. Strong bushes, two to three feet high. Pkt., 10c.



PHLOX DRUMMONDI.



ROSE.

**Apple Blossom.** Bright rosy pink, beautifully blended; white. Pkt., 5c.; oz., 10c.

**Her Majesty.** Large hooded flowers of a beautiful rose pink. Pkt., 5c.; oz., 10c.

**Lady Mary Currie.** A deep orange pink. Brilliant color. Pkt., 5c.; oz., 10c.

**Lady Penzance.** Standards orange-pink; wings, deep pure pink. Pkt., 5c.; oz., 10c.

**Ovid.** A rich rose color, overlaid with a darker shade. Pkt., 5c.; oz., 10c.

**Peach Blossom.** A very large flower, having a warm yellowish pink standard, and wings of a lighter, softer shade. Pkt., 5c.; oz., 10c.

**Royal Robe.** Bright rose pink. Pkt., 5c.; oz., 10c.

**Royal Rose.** One of the largest and finest formed flowers yet introduced. Standard rose pink, wings a shade lighter. Pkt., 5c.; oz., 10c.

**Extra Early Blanche Ferry.** Two weeks earlier than any other sort. Wings are nearly white, while the standards are a deep rose pink. Hardy, vigorous and a dwarf grower. Pkt., 5c.; oz., 10c.

### CLARET.

**Duke of Clarence.** Deep rosy claret; large and of fine form. Pkt., 5c.; oz., 10c.

### DARK BLUE AND PURPLE.

**Countess of Cadogan.** A very long stemmed variety, bearing three and four flowers on each stem. A beautiful blue shade, a little darker than navy blue. Pkt., 5c.; oz., 10c.

**Captain of the Blues.** Flowers large and expanded. Standard bright purple blue. Wings expanded and a lighter blue. Pkt., 5c.; oz., 10c.

**Indigo King.** Standard a very rich purple. Wings bluer than the standard. Pkt., 5c.; oz., 10c.

**Navy Blue.** A true blue, quite distinct in color. Pkt., 5c.; oz., 10c.

## SWEET PEAS.

### New and Choice Varieties.

#### WHITE.

**Blanche Burpee.** The finest white yet introduced. Flowers pure white; immense size. Profuse bloomer. Pkt., 5c.; oz., 10c.

**Emily Henderson.** Flowers large, pure satiny white, on long, stiff stems. Free and persistent bloomer. Pkt., 5c.; oz., 10c.

#### YELLOW.

**Coquette.** Standard shaded light blue on primrose ground. Wings clear primrose. Fine large flower. Pkt., 5c.; oz., 10c.

**Mrs. Eckford.** A delicate primrose yellow. Flowers large, of good substance and perfect form. Pkt., 5c.; oz., 10c.

**Primrose.** A light primrose. Pkt., 5c.; oz., 10c.

**Stella Morse.** Large flowers of the finest form, and a peculiar warm salmon pink. Pkt., 5c.; oz., 10c.

**Golden Gleam.** The best of the yellows. Large and perfect. Pkt., 5c.; oz., 10c.

#### LIGHT PINK.

**Eliza Eckford.** Large flower; rosy pink over white. Delicate and very beautiful. Pkt., 5c.; oz., 10c.

**Katherine Tracy.** Considered the best pink. The color is soft but brilliant in both wings and standards. Stands the hot sun better than any other pink. The long stiff stems make it especially fine for cutting. Pkt., 5c.; oz., 10c.

**Lady Beaconsfield.** Standards are salmon pink. Wings primrose yellow; large and handsomely formed. Pkt., 5c.; oz., 10c.

**Lovely.** Soft shell pink; large flowers, often four on a stem. Pkt., 5c.; oz., 10c.

**Duchess of York.** White, suffused with a delicate pink. Pkt., 5c.; oz., 10c.

**Mrs. Sankey.** A very light pink which fades to white as the flower grows older. Pkt., 5c.; oz., 10c.

**Prima Donna.** A brilliant soft pink; large and perfect flower. Pkt., 5c.; oz., 10c.

**Ramona.** Creamy white ground, delicately striped and splashed pale pink. Pkt., 5c.; oz., 10c.

**Venus.** Lovely salmon; buff shaded, rosy pink. Pkt., 5c.; oz., 10c.

#### SCARLET.

**Brilliant.** Rich crimson scarlet. Stands the summer heat better than any other scarlet sort. Pkt., 5c.; oz., 10c.

**Firefly.** Intense scarlet. Of good size and form. Pkt., 5c.; oz., 10c.

**Invincible Scarlet.** Bright scarlet. Pkt., 5c.; oz., 10c.

**Princess Victoria.** Standard bright scarlet. Wings rosy mauve. Pkt., 5c.; oz., 10c.

#### CRIMSON.

**Mars.** Bright crimson. Large and gorgeous flowers. Pkt., 5c.; oz., 10c.

**Igne.** Intense crimson, but does not stand the hot weather well. Pkt., 5c.; oz., 10c.

**Salopian.** One of the most brilliant sorts yet introduced. The flowers are of faultless form, large and a rich, brilliant cardinal red. Pkt., 5c.; oz., 10c.

## SWEET PEAS.

### MAROON.

**Black Knight.** The darkest shade of maroon. Pkt., 5c.; oz., 10c.

**Boreatton.** One of the darkest and richest colored satin-like maroon. Self-colored. Pkt., 5c.; oz., 10c.

**Monarch.** Standard, large, fine form, of violet maroon. Wings expanded, very large, similar color, but having a bluish tint. Pkt., 5c.; oz., 10c.

**Stanley.** The darkest of all Sweet Peas. A fine, bold flower. Color is a deep maroon. Pkt., 5c.; oz., 10c.

**Shahzada.** Rich, very dark maroon standard and deep violet wings. Pkt., 5c.; oz., 10c.

**Waverly.** The wings and standard are a beautiful blending rose pink and lavender blue shades. Pkt., 5c.; oz., 10c.

### LAVENDER AND LIGHT BLUE.

**Butterfly.** Standard a combination of shades of violet and lavender. Wings white shaded and edged blue. Pkt., 5c.; oz., 10c.

**Countess of Radnor.** A beautiful shade of lavender. Pkt., 5c.; oz., 10c.

**Dorothy Tennant.** Flowers warm violet or mauve. Very large and finely formed. Pkt., 5c.; oz., 10c.

**Lottie Eckford.** White, lightly suffused with blue. Wings deeper blue. Pkt., 5c.; oz., 10c.

**Maid of Honor.** White, edged with blue. Has a very handsome appearance. Pkt., 5c.; oz., 10c.

### STRIPED AND VARIEGATED.

**America.** The most brilliant of the red striped sorts. White ground, striped crimson scarlet. Large fine flower. Pkt., 5c.; oz., 10c.

**Aurora.** Standard and wings flaked and striped on a white ground with bright orange salmon. Pkt., 5c.; oz., 10c.

**Gray Friar.** White ground, marbled and dotted with heliotrope and purple. Pkt., 5c.; oz., 10c.

**Juanita.** White, with stripes and dashes of delicate lavender. Large and splendidly formed. Pkt., 5c.; oz., 10c.

**Mrs. Joseph Chamberlain.** Flowers are of fine form and large size, heavily flaked and striped with deep, clear rose. Pkt., 5c.; oz., 10c.

**Senator.** The finest dark striped flower. White ground, almost entirely covered with heavy stripes of brown and chocolate. Pkt., 5c.; oz., 10c.

**Columbia.** White ground, suffused purple and penciled pink. Pkt., 5c.; oz., 10c.

### CUPID SWEET PEAS.

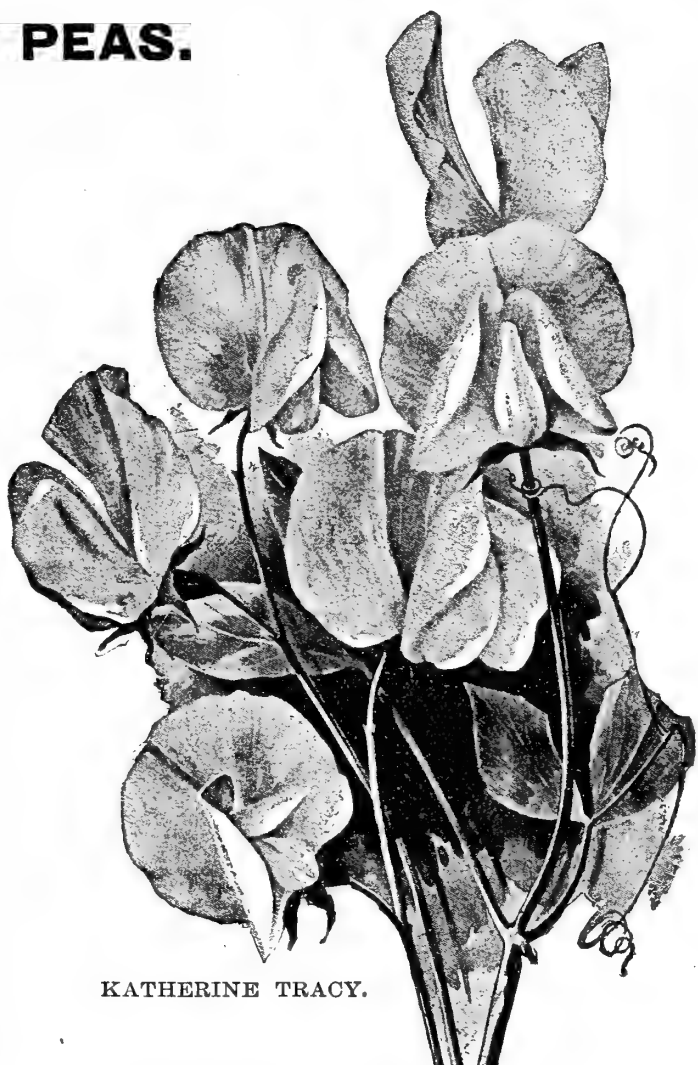
For growing in pots for edging and bedding these dwarf sweet peas are invaluable.

**White Cupid.** The flowers are a large, clear white. Pkt., 5c.; oz., 10c.

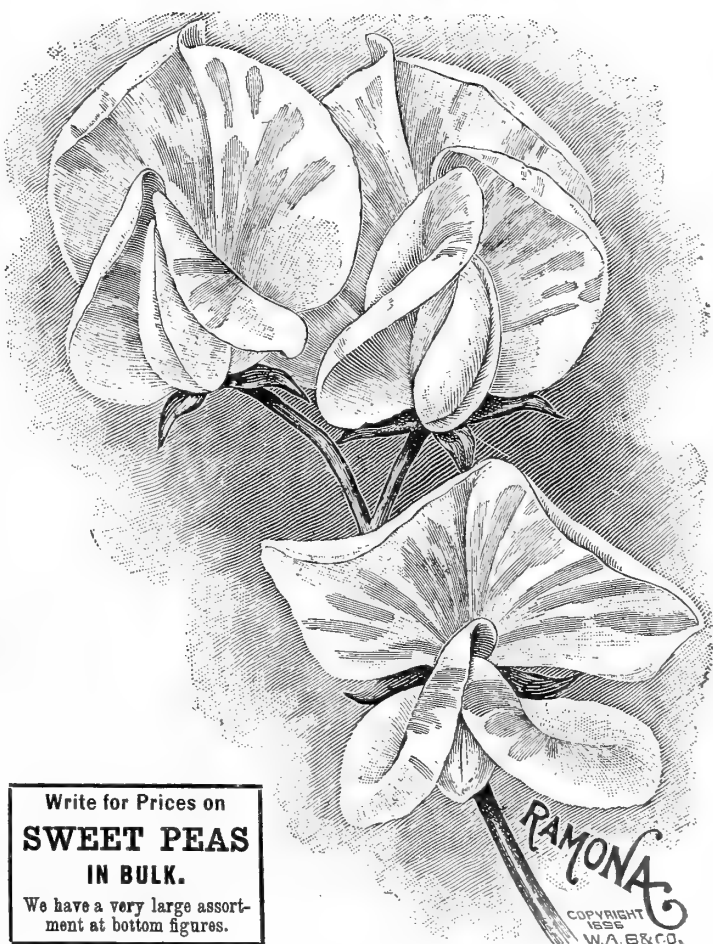
**Pink Cupid.** Standard bright rose pink; wings white or light pink. Also called Dwarf Blanche Ferry. Pkt., 5c.; oz., 10c.

**Primrose Cupids.** The flowers are a primrose yellow, and hold form and color well. Pkt., 5c.; oz., 10c.

**Alice Eckford Cupid.** Creamy white, shaded pink. Pkt., 5c.; oz., 10c.



KATHERINE TRACY.



Write for Prices on  
**SWEET PEAS**  
IN BULK.

We have a very large assortment at bottom figures.

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1898  
W.A. B&CO.





MULTIFLORA  
DWARF  
PERPETUAL  
ROSE.

### SCABIOSA.

(MOURNING BRIDE OR SWEET SCABIOUS.)

**Finest Varieties, mixed.** A beautiful border plant, producing in profusion flowers in great variety of colors. The flowers are quite double and globular, varying in all the shades of white, carmine, maroon, lilac, etc. A most valuable flower to make bouquets or for vases of cut flowers.

**Black Prince.** The flowers are very large and double and nearly black, a beautiful color; very effective as a bunch in a vase. Pkt., 5c.

**Double Blood Red.** A very striking color. Pkt., 5c.

**Large Flowering Scabiosa.** Flowers average three inches across, very double; valuable for bouquets. Many colors mixed. Pkt., 5c.

**The Snowball.** The flowers of this pretty new scabiosa are large, measuring nearly two inches in diameter, of purest white and very double. The stems are very long and the foliage luxuriant. This plant comes quite true from seed, and is sure to be liked for vases and bouquets. Pkt., 5c.

### SALVIA.

(FLOWERING SAGE.)

Favorite greenhouse and bedding plants. Bearing long spikes of flowers in great profusion from July to October.

Mixed. All colors. Pkt., 5c.

### SCARLET RUNNERS.

**P. Multiflorus.** Fine climbers, growing ten feet, and produce dazzling red flowers. Well known as the Fire Bean. Pkt., 5c.

### SALPIGLOSSIS.

(PAINTED TUBE TONGUE.)

Remarkably beautiful blooming plants, with funnel shaped flowers, curiously veined and marbled.

New Large Flowering, mixed. All colors. Pkt., 5c.

### SMILAX.

(*Myrsiphyllum Asparagoides*.)

One of the most delicate and beautiful of all vines for greenhouse culture; most extensively used in all bouquet work. Pkt., 10c.; oz., 40c.

### "LITTLE MIDGET" ROSES.

**Multiflora Dwarf Perpetual, mixed.** The plants commence to bloom when only about four inches high, and in a little over a month from sowing the seed, and continue to grow and bloom until the end of the season, when they are compact plants about sixteen inches high. With a little protection the plants will live over and the flowers be even more beautiful the second season. The roses are only about an inch across, usually very double, but occasionally semi-double and seldom single; they are borne in many flowered clusters, and contain all the tints of cultivated roses. Pkt., 10c.

### RHODANTHE.

Beautiful everlastings, with silvery-tinted flowers. Mixed. Pkt., 5c.

### ROCKET.

(HESPERIS.)

Mixed. Pkt., 5c.

**SENSITIVE PLANT.** See *Mimosa Pudica*.

**SWAN RIVER DAISY.** See *Brachycome*.

### RICINUS.

(CASTOR OIL PLANT.)

Ornamental plants of stately growth and picturesque foliage, with brilliant colored fruit, producing a sub-tropical effect.

**Sanguineus.** Exceedingly ornamental. Red spotted fruit in clusters. Fine foliage. Pkt., 5c.; oz., 10c.

**Enormis, finest mixed.** All colors. Gigantic. Pkt., 5c.; oz., 10c.

**Zanzibariensis.** The largest of all Ricinus, growing ten to twelve feet high. The sorts that comprise our mixture have gigantic leaves two to two and a half feet across, richly colored, varying from bright green with green stems to dark bronze with red stems. Planted in groups on the lawn, they make a beautiful tropical effect. Pkt., 5c., oz., 10c.



RICINUS.



SALPIGLOSSIS.

**VERBENA.**

**Mammoth Verbena.** Obtained by selection of the largest and most striking flowers. Our strain is very fine. All colors mixed. Pkt., 10c.

**Mammoth White.** Large, very fine. Pkt., 10c.

**Scarlet.** Very brilliant. Pkt., 10c.

**Striped Varieties.** Pkt., 10c.

**Blue Varieties.** Pkt., 10c.

**Red Varieties.** Pkt., 10c.

**Defiance.** Very brilliant scarlet. Very fine bedding variety. Pkt., 10c.

**Fine Mixed.** All colors. Pkt., 5c.

**VINCA.**

Ornamental free flowering plants. If sown early will bloom the first season.

**Mixed.** All colors. Pkt., 5c.

**VIOLET.**

(*Viola Odorata.*)

Well known early spring blooming fragrant flowers.

**Single Blue.** Very sweet scented blue flowers. Pkt., 5c.

**SWEET WILLIAM.**

(*Dianthus Barbatus.*)

Well known, free flowering, hardy plants, admired for their endless variety of beautiful, massive heads.

**Single Mixed.** Pkt., 5c.

**Double Mixed.** Pkt., 10c.



MAMMOTH VERBENA.

**SUNFLOWERS.**

Valuable as a screen to hide unsightly places, and as a background for lawns. Hardy annual.

**Double Chrysanthemum Flowered.** A tall plant, growing seven feet high and blooming profusely all summer. Flowers are double, large, round, golden yellow, and resemble chrysanthemums. Pkt., 5c.

**Globosus Fistulosus.** Produces very large, exceedingly double flowers of bright yellow color. Plants about five feet high. Pkt., 5c.

**Large Russian.** A strong growing, single variety, about six feet high. The stalks are sometimes used for fuel. Pkt., 5c.; lb., 20c.

**Stella.** The plant of this fine variety is well branched and bushy, and attains a height of about three feet. It is covered with finely formed flowers, which are about three inches across, of golden yellow, having black discs, and borne on long stems, which rise well above the foliage. If the seed be sown in spring, in a sunny place, the plants will bloom abundantly in early summer, until killed by frost. Pkt., 5c.

**WHITLAVIA.**

A pretty plant, with delicate foliage and blue and white bell shaped flowers.

**Mixed, All Colors.** Pkt., 5c.

**STOCKS.**

(GILLYFLOWER.)

One of the most popular plants. For its brilliancy of color, profusion of bloom, etc., it is unsurpassed. The ten weeks stocks are in bloom from ten to twelve weeks after seed is sown.

**New Large Flowering.** The largest and finest varieties, mixed. Pkt., 10c.

**Pure White.** Pkt., 10c.

**Bright Crimson.** Pkt., 10c.

**Purple.** Pkt., 10c.

**Ten Weeks.** All colors of double mixed. Pkt. 5c.

**WALLFLOWER.**

Flowers very fragrant, large massive spikes. Profuse bloomers.

**Single Mixed.** Pkt., 5c.

**Finest Double Mixed.** Pkt., 10c.

**XERANTHEMUM.**

Pretty, free flowering, everlasting.

**Xeranthemum, Mixed.** Pkt. 5c.; oz., 10c.

**ZINNIAS.**

The double Zinnia is one of the most showy and brilliant garden favorites.

**Double Pompon.** Large, double, brilliant, mixed, all varieties and colors. Pkt., 5c.

**Double White.** Pure color, very fine. Pkt., 5c.

**Double Scarlet.** Very brilliant. Pkt., 5c.

**Zebra.** Large, handsome, beautifully marked. Pkt., 5c.



WALLFLOWER.

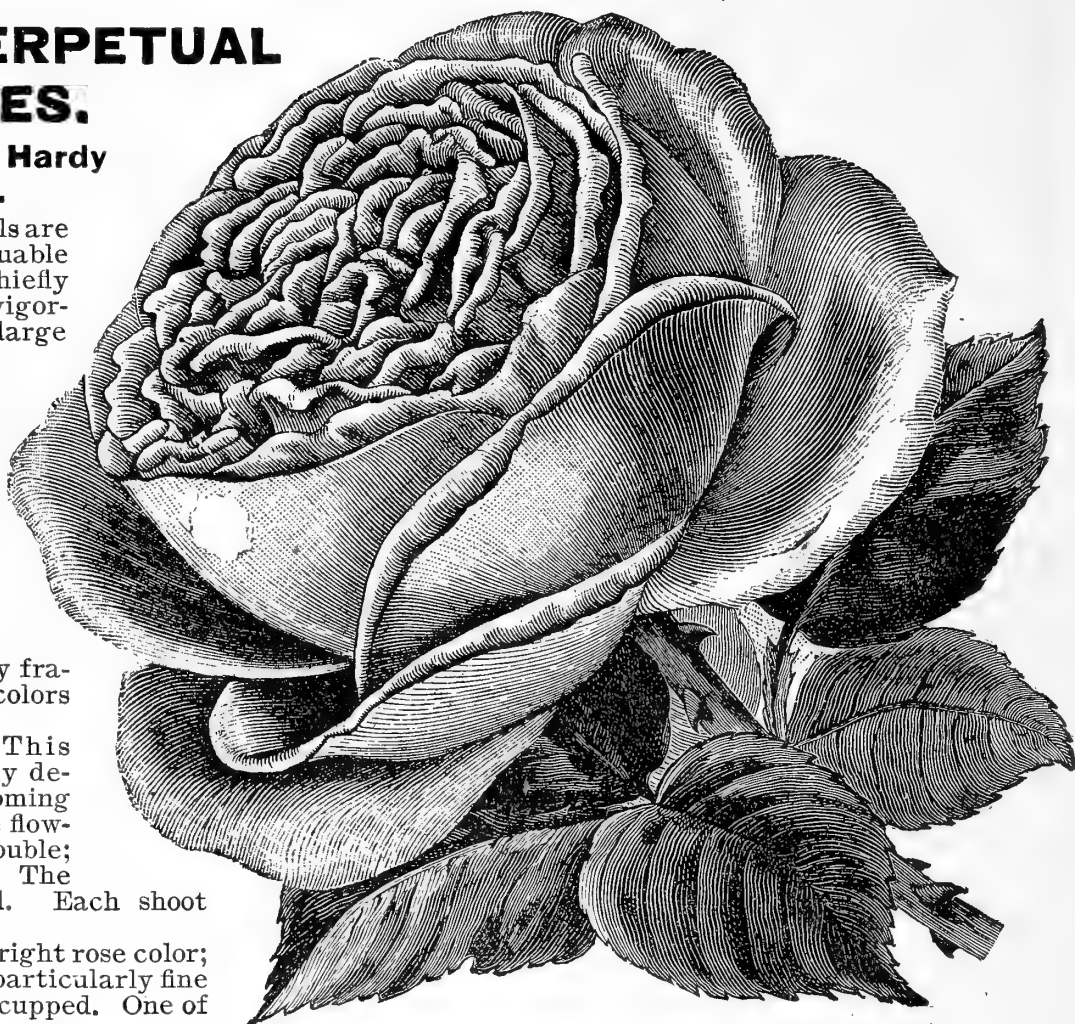
## HYBRID PERPETUAL ROSES.

### Most Popular and Hardy of All Roses.

The Hybrid Perpetuals are considered the most valuable of all roses. They are chiefly distinguished for their vigorous growth and fine, large flowers, and for being entirely hardy. They are particularly valuable for permanent beds or borders. Many of them flower the entire summer; others flowering through the month of June and again in August and September. The flowers are large, often measuring 5 to 6 inches in diameter; very fragrant and of all the colors known to the rose.

**American Beauty.** This variety has been rightly described as an everblooming Hybrid Perpetual. The flowers are very large and double; color a deep rich rose. The fragrance is delightful. Each shoot produces a bud.

**Anna de Diesbach.** Bright rose color; very large and showy; particularly fine in bud; flowers slightly cupped. One of the best.



MRS. JOHN LAING.

**Baroness Rothschild.** The most beautiful of all roses. Lovely shade of pink, delightfully perfumed.

**Ball of Snow.** (*Boule de Neige*.) Rose of large size, perfectly double; fragrant, pure white, entirely hardy.

**General Jacqueminot.** Rich, velvety crimson, changing to scarlet crimson. A magnificent rose; equally beautiful in the bud state or open. This is the best known of all Hardy Perpetuals, and is without a rival in fragrance and richness of color.

**John Hopper.** One of the most reliable and satisfactory roses. Flowers large, regular and full; color brilliant rose, shaded with rich crimson. Very sweet, profuse bloomer.

**Mabel Morrison.** Petals thick and of a very soft, smooth texture; shell shaped; very double and rounded in form; of the purest white.

**General Washington.** This splendid rose is one of the best. Color bright, shining crimson; flowers large and perfectly double. Blooms almost constantly.

**Mrs. John Laing.** This rose for outdoor planting is undoubtedly the finest rose introduced for many years. Color a beautiful soft pink, with most delicious fragrance; very double and of large size. The best pink.

**Mme. Plantier.** The plant grows in a very fine bushy form, and produces its white flowers in great abundance in June. Especially desirable for cemetery decoration.

**Perle des Blancches.** A finely formed pure white rose. Beautiful shell shaped petals, evenly arranged.

**Paul Neyron.** Deep, shining pink. Flowers often 5 inches in diameter. It is a good, strong grower; almost thornless.



GENERAL JACQUEMINOT.

**LARGE, STRONG, HARDY DORMANT PLANTS THAT WILL BLOOM  
THE FIRST SEASON:**

**EACH, 25c., DOZ., \$2.50; PREPAID BY MAIL, EACH, 30c.**



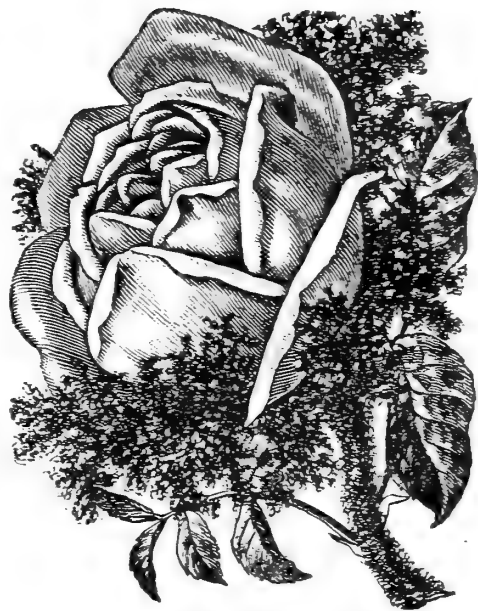
**MOSS ROSES.**

Highly prized for the beautiful buds, which appear to be covered with moss; highly scented.

**Blanche Moreau.** By far the best white moss rose. Long, pointed buds, beautifully mossed.

**Glory of Mosses.** The best pink moss. Large buds, clear pink and covered with moss.

**Strong dormant plants.** Each, 25c.; by mail, 30c.



GLORY OF MOSSES.

**HARDY CLIMBING ROSES.**

**Crimson Rambler.** Nothing equals this as an all-round hardy garden rose, on account of its brilliant color, profusion with which it blooms, and the length of time the flowers last. It may be used as a climber or can be grown in large bush form—in fact, its uses are almost endless. It blooms in large clusters of 50 to 100 flowers in a cluster, covering the foliage its entire length with a solid mass of the most beautiful perfectly shaped miniature crimson blossoms. No description can give an adequate idea of its beauty. It begins to bloom about the middle of June, and remains in flower longer than any other hardy outdoor rose.

**Pink Rambler.** A lovely climbing rose, very similar to Crimson Rambler, but flowers are a light, delicate pink, or blush—intermediate in color between White Rambler and Dawson—and about as large as a 25c. piece. Blooms before Crimson Rambler in immense clusters like that variety, and is almost equally showy and valuable. A grand variety.

**White Rambler.** Pure snowy white. Flowers same size as Multiflora Japonica, but instead of being single, are double. Blooms at same time as Yellow Rambler.

**Yellow Rambler.** Bud beautiful bright yellow, opening straw color, fading to a beautiful creamy white. Blooms early, before Crimson Rambler.

**Any variety, each, 35c., by express.**

**HARDY CLIMBING ROSES.**

(THE OLD FAVORITES.)

**Baltimore Belle.** Will grow 15 feet in one year, and be covered with clusters of large double flowers. Blush color, turning to white.

**Prairie Queen.** A general favorite. Color bright red, changing to a deep pink as the flower opens.

**Seven Sisters.** A rapid climber. Flowers in clusters of seven. Color variegated white and crimson.

**Any variety of climbing rose, each, 35c., by express.**

**ENGLISH SWEET BRIAR ROSES.**

Highly prized on account of the delightful fragrance of their leaves and young branches. Strong two-year-old bushes. Each, 25c., by express.

**HARDY PAEONIES.**

These plants are perfectly hardy anywhere. Grand old favorites. The flowers are well adapted for cutting. For a brilliant display in May or June nothing can equal them.

**Roots, pink, white, crimson or rose. Each, 25c.**

**CALADIUM ESCULENTUM.**

(ELEPHANT'S EAR.)

Grand, tropical looking plant. A favorite for specimens on the lawn, or for bordering large sub-tropical groups. In deep, rich soil, if freely watered, they produce enormous leaves, frequently four feet long by three feet wide. Height, four to five feet.

**Small size, each, 7c. Medium size, each, 15c. Large size, each, 25c.**



BALTIMORE BELLE.

**ALL BULBS AND PLANTS SENT FREE BY MAIL AT CATALOGUE PRICES. WHERE THE PLANTS ARE QUOTED BY EXPRESS ONLY, THEY ARE TOO LARGE FOR MAILING.**

## HARDY SHRUBS AND PLANTS.

**Japanese Iris.** These magnificent iris are among the most beautiful of our summer flowering plants. They commence blooming about the middle of June, and continue in bloom for five or six weeks. Many of the flowers measure eight to ten inches in diameter. Every shade and hue can be found beautifully blended in these gorgeous plants. Each, 20c.

### GERMAN IRIS.

(*Fleur de Lis.*)

Iris, the Greek name for the rainbow, has been given these plants on account of the royal coloring of the flowers. They are commonly called the Garden Orchid, because in their delicate tints and shadings of color, and remarkably curious formation of flower, they rival those floral gems of the tropics. They flourish in any kind of soil. Each, 15c.; by mail, 20c.

### DELPHINIUM.

(*Larkspur.*)

**Formosum.** An improved variety of the old fashioned larkspur. The grandest hardy blue summer flowering plant. It begins to bloom early in spring, and continues all summer. A beautiful, showy plant. Each, 10c.; by mail, 15c.

### COREOPSIS LANCEOLATA.

(THE PERPETUAL GOLDEN COREOPSIS.)

Gives a constant succession of the most brilliant golden yellow flowers, as large as a silver dollar, growing on long, slender stems two feet high. The beauty of these flowers is unequaled by any yellow flower that we know of, and the long stems fit them for cutting for the house. Each, 10c.; by mail, 20c.

### BLEEDING HEART.

(*Dielytra Spectabilis.*)

An old, but beautiful hardy plant, blooming very early in spring, flowering on long, graceful, pendulous stems. Each, 20c.; by mail, 25c.

### CROWN DAY LILY.

The flowers are produced in clusters. They are a bright orange yellow, and each petal is marked with a large crimson blotch. Sweet scented. Each, 10c.; by mail, 20c.

### AQUILEGIA.

(COLUMBINE.)

These are old favorites, and are very satisfactory. Each, 15c.; by mail, 20c.

### DEUTZIA.

A very desirable flowering shrub.

Double White. Each, 20c. by express.

### FOXGLOVE.

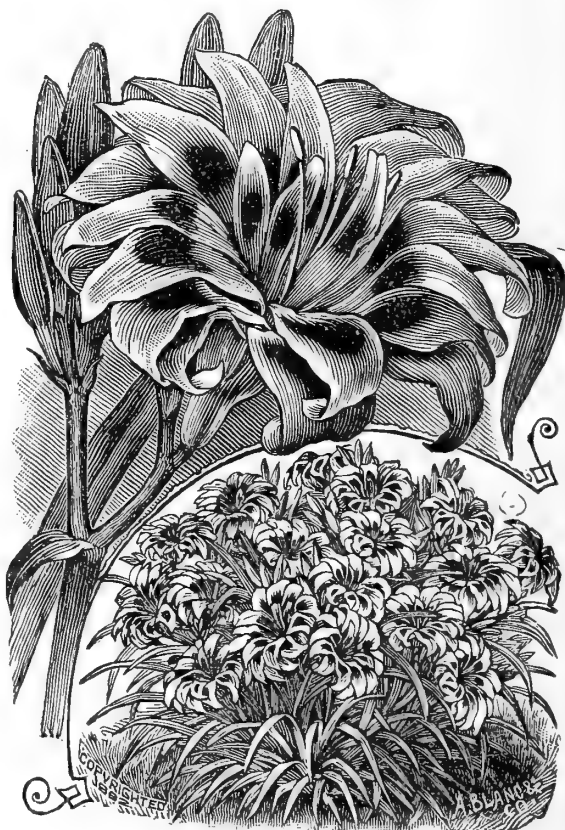
(*Digitalis.*)

An indispensable adjunct to the old fashioned garden; indispensable in any collection of hardy herbaceous shrubbery, the bright foliage and stately, showy spikes of bloom producing a fine effect. The most improved varieties, comprising an endless variety of colors. Each, 10c.; by mail, 15c.

### FUNKIA.

(DAY LILY.)

**subcordata.** (White Day Lily.) A beautiful plant for partly shady places. Large, round, heart shaped leaves, forming large clumps, over which the clusters of pure white, fragrant flowers are thrown. Each, 20c.; by mail, 25c.



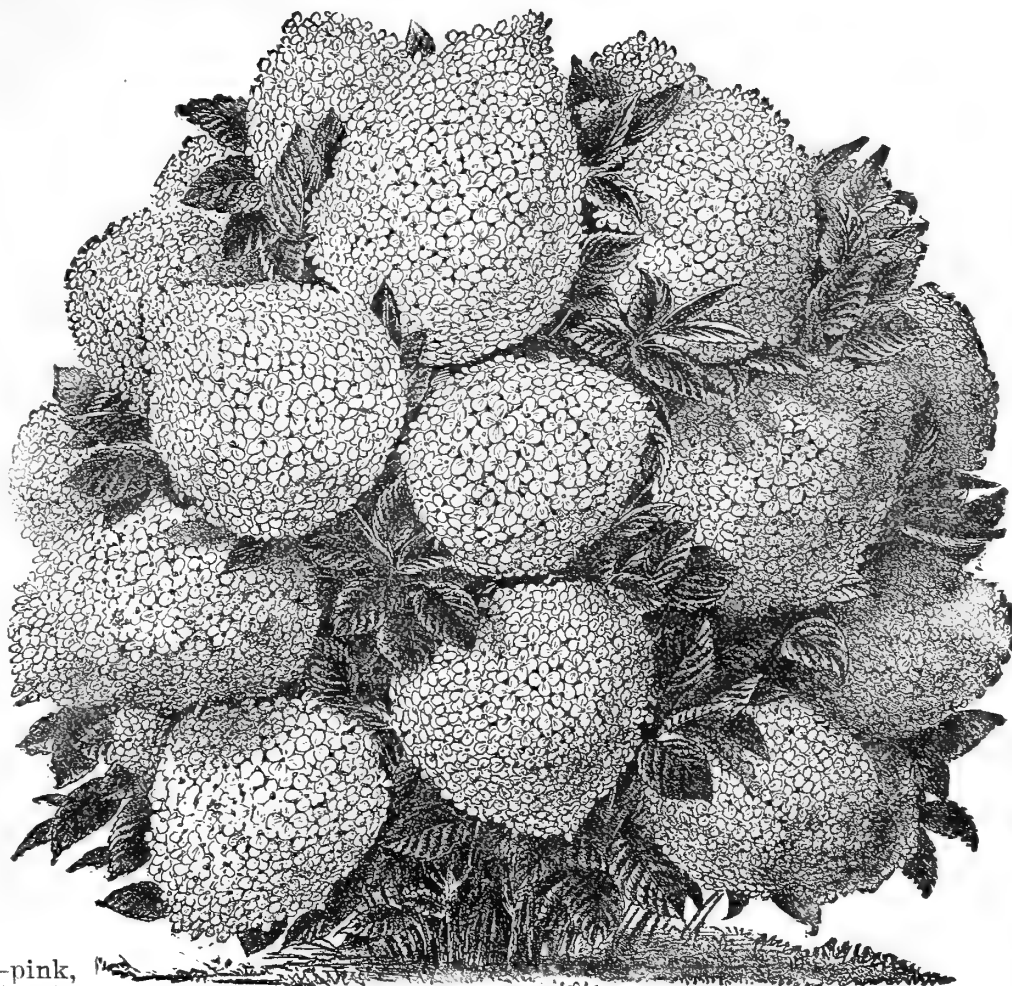
CROWN DAY LILY.

## HYDRANGAEA PANICULATA GRANDIFLORA.

This is a grand plant; very showy and attractive, lasting in bloom for months. Without question, the finest hardy shrub. Grows three to four feet high, and is very bushy and compact. Blooms in July, at a time when no other shrub is in flower, and the flowers remain beautiful until destroyed by frost. The flowers are pure white, afterward changing to pink, and are borne in immense pyramidal clusters more than a foot long and nearly a foot in diameter. Will bloom same season planted. Fine plants, 25c. each, by express.

## HOLLYHOCKS.

**Superb Double.** The distinctive character and massive beauty of the hollyhocks render them unrivaled. For distant effect in large groups they are matchless; nothing makes a finer display. They remain in bloom so long and are so effective that few plants equal them for summer blooming. Finest prize varieties—pink, yellow, white, crimson, etc. Each, 10c.; by mail, 15c.



HYDRANGAEA PANICULATA GRANDIFLORA.

## HARDY GARDEN, OR CLOVE PINKS.

These are the old-fashioned hardy pinks that bloom in May and early June, and that remain out from year to year, being perfectly hardy. The plants are covered with great quantities of the sweetest scented flowers, with a strong clove fragrance. Each, 10c.; by mail, 15c.

**Her Majesty.** Flowers are of large size, similar to a carnation, pure white and very fragrant, perfectly hardy, and makes a fine border pink. Each, 15c.

## LILAC.

(SYRINGA.)

**Common Purple.** (*S. vulgaris*.) Fine plants, well budded. Each, 25c. to 50c., by express.

**Common White.** (*S. vulgaris alba*.) The white flowered variety; well budded. Each, 25c. to 50c., by express.

## HARDY PHLOX.

Very hardy; easy culture, and yield a profusion of bright, showy blooms. Each, 10c.; by mail, 15c.

## RUDBECKIA LACINIATA FL. PL.

(GOLDEN GLOW.)

One of the most desirable of recent introductions among hardy perennials; most effective flowering plant for August and September. Grows six feet high, branching freely and throwing up masses of large double yellow flowers as large as a fair sized chrysanthemum. Fine for cutting. Each, 10c.; by mail, 15c.

## ROSE OF SHARON.

(ALTHEA.)

Well known shrub, blooming in August and September. Assorted named varieties. Each, 20c., by express.

## SPIREA.

(MEADOW SWEET.)

**Van Houttei.** Forms a graceful pendulous bush. Flowers are single. Surpasses all other spireas in the superb beauty and gracefulness of its blossoms.

**Thunbergii.** Very graceful; flowers very early in spring, the first to bloom. Branches slender and somewhat drooping.

**Prunifolia.** Flowers white and double. Each, 20c., by express.

## SNOWBALL TREE.

(*Viburnum Opulus*.)

A well known favorite shrub. Large size, with globular bunches of pure white flowers. Each, 25c., by express.

## SWEET WILLIAM.

A well known and popular free flowering favorite. Great improvements on the old varieties within the last few years have rendered it more desirable. We offer both the single and double flowering sorts. Each, 10c.; by mail, 15c.



**HARDY CLIMBERS.****AMPELOPSIS.**

**Veitchii.** (*Boston or Japan Ivy.*) Probably no climber has been so generally used the last few years. The leaves of this beautiful climber, resembling in shape the English ivy, overlap one another closely, changing in the fall to the most vivid autumnal tints—gold, purple and scarlet—remaining so until they drop. It clings to wood, stone or brick, painted or unpainted—requiring no other support than a smooth surface, to which it clings with tenacity. No buildings are considered too handsome to cover with this plant, and the most unsightly buildings are made picturesque by its use. Many city residences are covered with it, to which it lends an air of elegance. It preserves and enhances the beauty of the most intricate architectural outlines. Extra strong field grown plants, each, 20c.; by mail, 25c.

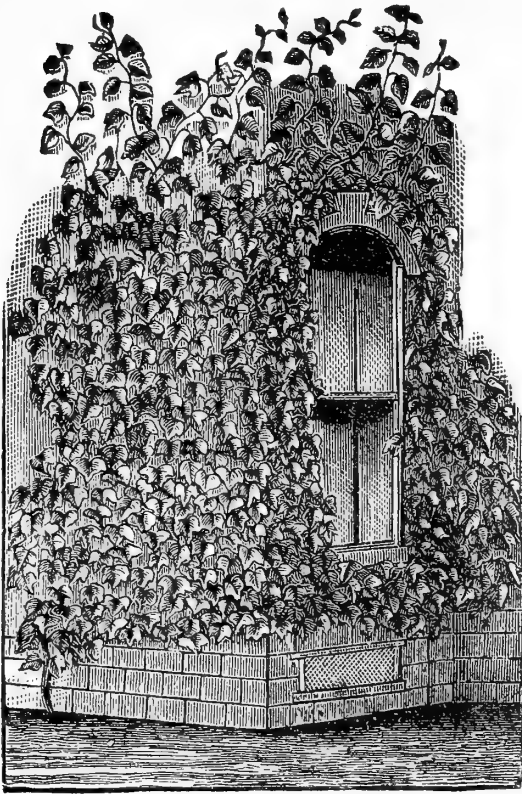
**Quinquefolia.** (*Virginia Creeper.*) Well known; leaves changing in fall to brilliant tints. Strong field grown plants, each, 20c.; by mail, 25c.

**ARISTOLOCHIA SIPHO.****(DUTCHMAN'S PIPE.)**

A rapid growing climber, bearing singular brownish colored flowers, resembling a pipe. The leaves are immense. For arbors or for making a screen, it is invaluable. Attains a height of 20 feet. Extra strong field grown plants, each, 40c., by express.

**BIGNONIA GRANDIFLORA.****(MAMMOTH FLOWERED TRUMPET CREEPER.)**

A splendid hardy climbing plant, producing in large clusters, large, trumpet shaped, orange scarlet flowers, about three inches long. It is very beautiful, and always attracts great attention. Extra strong field grown plants, each, 35c., by express.



AMPELOPSIS VEITCHII.

**HYBRID LARGE FLOWERED CLEMATIS.**

Without exception the finest climbers we have, blooming through the greater part of summer and fall. The flowers are from four to six inches across, and from their graceful contour resemble huge butterflies hovering among the green leaves. A plant in full bloom is one of the most conspicuous and beautiful objects, and one that invariably attracts attention. The support on which they are allowed to grow should be durable and permanent, wire netting being the best support for this purpose.

**Jackmanni.** The best known of the fine perpetual clematis. Blooms from July to October. Flowers intense violet purple, remarkable for their velvety richness.

**Jackmanni alba.** White; strong grower.

**Hybrida Sieboldi.** Silvery lavender, a most beautiful shade.

**Henryi.** Commences to bloom in June. Its first bloom is immense, after which it blooms at intervals during the whole season. Rich creamy white.

**Duchess of Edinburgh.** Double white. Extra strong field grown plants. Each, 50c.

**FRAGRANT AND SMALL FLOWERED CLEMATIS.**

**Paniculata.** A vine of very rapid growth, quickly covering trellises and arbors with handsome, clean, glossy green foliage. The flowers are of medium size, pure white, borne in immense sheets and of a most delicious and penetrating fragrance. The flowers appear in September, at a season when few other vines are in bloom. Each, 25c.

**Coccinea.** Bell shaped flowers, bright coral red; blooms from June until frost. A rapid grower; very free bloomer. Each, 25c.

**Crispa.** Fine, deep blue, with a white border. and deliciously fragrant. Each, 25c.

**CINNAMON VINE.**

A very pretty vine to train around the window or on a trellis. In midsummer the plant is covered with a brilliant, glossy foliage and an abundance of fragrant flowers. It is also an exceedingly quick grower, having been known to attain a height of twenty feet in one season. Each, 5c.; by mail, 10c.

**HONEYSUCKLES.****(Loniceras.)**

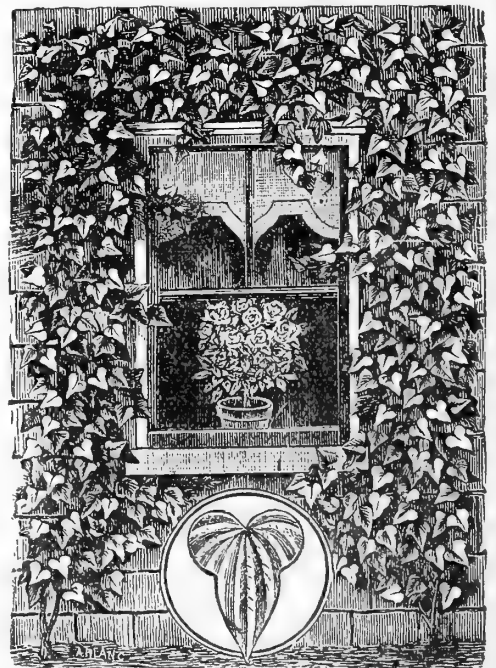
**Sweet Scented Monthly.** (*Belgica.*) This is one of the most satisfactory of honeysuckles, producing continuously large trusses of very fine, fragrant flowers, red and yellow in color. Large plants, each, 35c., by express.

**WISTARIAS.**

Elegant climbers, grand for walls, which from their vigorous growth, they soon cover. Flowers are borne in long, pendent clusters.

**Alba.** Flowers white, in drooping racemes. Large plants. Each, 35c., by express.

**Magnifica.** Dense clusters of purple lilac flowers. Plants, each, 50c., by express.



CINNAMON VINE.



TUBEROUS BEGONIAS.

**LARGE FLOWERING CANNAS.**

(BEST STANDARD SORTS.)

**Alphonse Bouvier.** \* Large, brilliant scarlet. Rich and velvety.**Alsace.** Very light, sulphur yellow changing to clear white.**Austria.** The golden lily-flowered canna flowers, immense.**Burbank.** Rich canary yellow, with carmine spots in the throat.**Chicago.** Very showy. Brilliant orange scarlet. Free bloomer.**Egandale.** Foliage dark greenish maroon. \* Flowers bright cherry.**Florence Vaughn.** Flowers large brilliant yellow, spotted scarlet.**Italia.** The orchid-flowered canna.**Mme. Crozy.** Scarlet, with a golden edge. A very popular sort.**Philadelphia.** A bright glowing crimson. Rich and velvety. Early bloomer.**President Cleveland.** Immense trusses. Flowers orange scarlet, and very large.**Queen Charlotte.** Orange scarlet, with a very broad golden yellow edge.**Any variety.** Each, 15c.; per doz., \$1.50.**CRINUM KIRKII.**

This magnificent variety produces flowers of the greatest beauty. Usually two flower stalks of dark purplish color are sent up at the same time, each bearing a large umbel composed of a dozen or more enormous lily-like flowers of wondrous beauty and fragrance. The petals are broad and pure white, with a deep reddish purple stripe through the centre. Extra large bulbs. Each, 50c.

**SUMMER FLOWERING BULBS.****BEGONIAS.**

(TUBEROUS ROOTED.)

The tubers which we offer are of the very best quality, and with proper care will give a beautiful display early in the summer. For growing in pots or boxes in the house, plant in rich, sandy soil, give good drainage and water freely after the leaves start, but do not let the soil become sour or soggy from over-watering. If it is desired to have a bed outdoors, select a shady, moist situation, making the bed rich with thoroughly rotted manure and leaf mold, if obtainable. Plant as soon as danger from frost is over. After the plants start into vigorous growth, keep well watered.

Single.	Each.	Doz.	Double.	Each.	Doz.
<b>Pink,</b>	7c.	75c.	<b>Pink,</b>	15c.	\$1.50
<b>Scarlet,</b>	7c.	75c.	<b>Scarlet,</b>	15c.	1.50
<b>White,</b>	7c.	75c.	<b>White,</b>	15c.	1.50
<b>Yellow,</b>	7c.	75c.	<b>Yellow,</b>	15c.	1.50
<b>Mixed,</b>	7c.	70c.	<b>Mixed,</b>	10c.	1.00

**AMARYLLIS.**

(JACOBAN LILY.)

**Formosissima.** Each of the five narrow petals of this flower is 3 to 4 inches long, and a very intense, rich scarlet color of unequalled brilliancy, vividness and purity.

The plants are easily grown, and although the bulbs are not hardy they can be easily preserved during the winter in a dry cellar, and planted in the open ground in the spring. They may be grown in winter like hyacinths. Each, 15c.; per doz., \$1.25.

**Johnsonii.** A very large flower of a rich, scarlet or crimson color striped with white. It is an extra fine variety. Each, 30c.

**SPOTTED LEAF CALLA.**

Dark green leaves, beautifully spotted with white; the flowers are white with a purple throat. Each, 20c.

**GIANT SUMMER HYACINTH.**

(Hyacinthus Candicans.)

Luxuriant, free growing, summer flowering plant, spreading 2 to 3 feet, throwing up great, tall spikes 4 to 5 feet in height, each bearing 20 to 30 large, white bell shaped flowers; of easiest culture and splendid for groups. Each, 5c.; per doz., 50c.

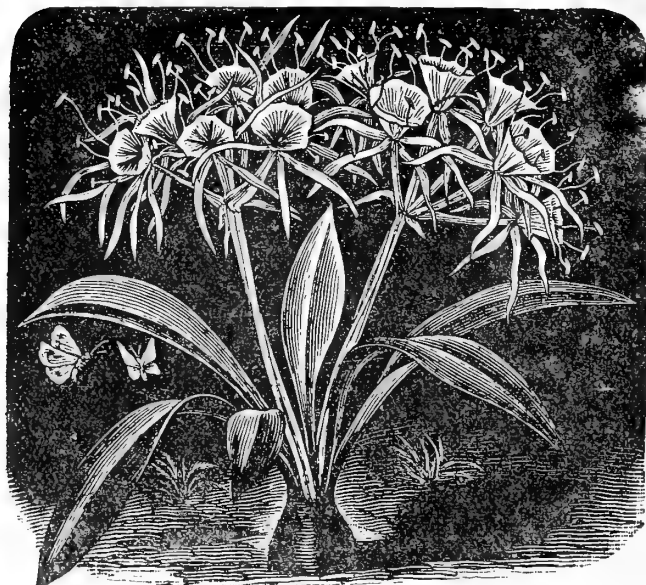
**DAHLIA.**

The dahlia has always been a favorite for autumn flowering. The flowers are so symmetrical and perfect, and the range of colors so large and varied that they will always be popular where display is wanted. The roots are tender and easily injured by frost; they should be set out 3 feet apart, after all danger of frost is over, and during winter placed in a cool cellar, and not allowed to freeze. The plants should be supported by tying to stakes. Our collection of mixed dahlias is of the best, comprising all the positive colors, with their striking shades.

Double.	Each.	Doz.	Double.	Each.	Doz.
<b>Pink,</b>	20c.	\$2.00	<b>Scarlet,</b>	20c.	\$2.00
<b>White,</b>	20c.	2.00	<b>Yellow,</b>	20c.	2.00
<b>Mixed,</b>	15c.	1.50			

**GLADIOLUS MIXTURES.**

	Each.	Doz.
<b>Extra fine American hybrids, mixed.</b>	5c.	40c.
<b>Shades of pink, mixed.</b>	4c.	40c.
<b>Shades of red, mixed.</b>	4c.	35c.
<b>Shades of yellow, mixed.</b>	5c.	50c.
<b>White and light varieties.</b>	4c.	40c.
<b>Striped and variegated, mixed.</b>	5c.	50c.
<b>Lemoine's butterfly varieties, mixed.</b>	4c.	40c.



SPIDER LILY.

ters of very large double flowers on tall, strong stems; color bright orange red, spotted with black. Each, 15c.; doz., \$1.50.

**Lilium Tigrinum, Splendens.** (Improved Single Tiger Lily.) Has very large flowers of excellent form; color orange salmon with dark spots. Each, 15c.; doz., \$1.50.

**Spider Lily.** Produces handsome clusters of pure white, fragrant blooms in the greatest profusion; adapted to either pot culture in the house or for summer planting in open ground. Each, 15c.; doz., \$1.50.

### MADEIRA VINE.

Tuberous rooted, climber, with glossy green leaves and delightfully fragrant, white blossoms. Sometimes called Mignonette Vine. It is of rapid growth, and from a few tubers vines will be produced sufficient to cover one side of a cottage in a single season. The tubers are tender and must be protected from frost during winter. Each, 5c.; doz., 50c.

### MILLA BIFLORA.

(MEXICAN STAR OR FROST FLOWER.)

A beautiful Mexican summer blooming bulb. A group of them is always in flower after the middle of summer, and very attractive. Flowers star shaped, 2 inches across, clear waxy white, of great substance, enlivened by a frost-like sparkle; the fragrance is delightful. Place a stalk in water and the flowers will all open; a number of stalks shoot up successively from one bulb. The bulbs flower profusely and with great certainty. Height 12 to 18 inches. Three for 10c.; doz., 30c.; hundred, \$2.00.

### TUBEROSE.

The flowers of this popular plant are waxy white, double, and so fragrant that they perfume the whole atmosphere for some distance around. They are useful in button-hole bouquets, in large bouquets, or as single specimens.

**Double Dwarf Pearl.** Extra large bulbs: Each, 4c.; doz., 40c. We will supply second size bulbs: Four for 10c.; doz., 25c.

### OXALIS.

(SUMMER FLOWERING.)

Valuable for edging walks, flower beds, etc. Bulbs planted 3 inches apart form rounded rows of delicate foliage, about 1 foot high, which produce flowers in endless succession.

**Lasiandra.** Rosy pink, doz., 15c.

**Deippa.** Rosy white, doz., 15c.

### TIGRIDIAS.

(PEACOCK, OR SHELL FLOWER.)

Extremely handsome summer flowering bulbs, growing about 2 feet high, producing large, gorgeous flowers, exquisitely spotted. They flower very freely throughout the summer. (See cut.)

**Conchiflora.** Dark yellow, large, red spots. Each, 5c.; doz., 40c.

**Pavonia Grandiflora.** Large, bright crimson, center mottled with yellow. Each, 5c.; doz., 40c.

**Grandiflora Alba.** Pearly white, with a yellow cup, gorgeously spotted with crimson. Each, 5c.; doz., 50c.

### ZEPHYRANTHES.

(ATAMASCO, OR FAIRY LILY.)

Beautiful dwarf bulbous plants, flowering in profusion during the summer.

**Atamasco.** White, suffused with flesh color; hardy. Three for 10c.; doz., 25c.

**Candida.** Large flowering, pure white. Three for 10c.; doz., 30c.

**Rosea.** Large flowers, 3 to 4 inches across, of the most exquisite rose pink. Each, 5c.; doz., 40c.

### HARDY LILIES.

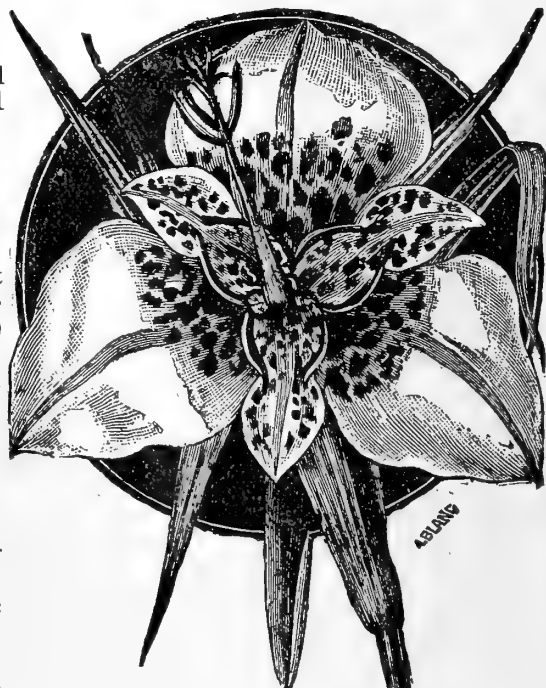
**Lilium Auratum.** The glorious gold banded Lily of Japan and one of the grandest plants in cultivation. Its immense ivory white flowers are thickly studded with yellow and crimson spots, while in the center of each petal is a golden band, fading at its edges into the white. Each, 20c.; doz., \$2.00.

**Lilium Longiflorum.** The pure white flowers resemble the well known Bermuda Easter Lily and are very fragrant. Each, 15c.; doz., \$1.50.

**Lilium Speciosum Album.** Pure white flowers, with a greenish band through the center of each petal. They are of great substance and very fragrant. Each, 20c.; doz., \$2.00.

**Lilium Speciosum Rubrum.** No words can overstate the brilliant beauty of these famous Japan Lilies. The six broad white or pink petals are thickly dotted with rose or carmine spots, and the graceful form, brilliant color and exquisite fragrance make them very effective and desirable. Each, 15c.; doz., \$1.50.

**Lilium Tigrinum, Flore Pleno.** (Double Tiger Lily.) This magnificent lily is of stately habit, bearing clusters of large flowers of bright orange red, spotted with black.



TIGRIDIAS.



## SMALL FRUITS.

### STRAWBERRIES.

Varieties marked (P) have imperfect flowers; they will not produce well unless every fourth or fifth row or plant is a perfect flowering variety, as are all not so marked. Thus planted, the (P) sorts are the most productive.

**Brandywine.** Berries large; ripen late. One of if not the best well tested large varieties for both home and market use.

**Gandy.** The best late variety in cultivation. Berries large, of fine form and excellent quality, flesh firm; a good shipper.

**Jessie.** One of the most perfect berries grown; large, prolific, and free from rust.

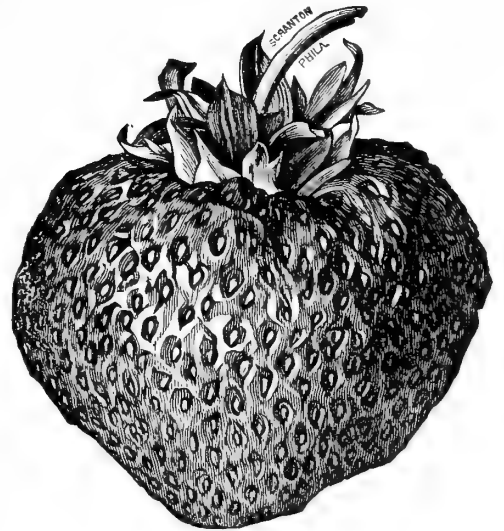
**Haverland.** (P.) Long, conical berry, bright red; very productive; good quality, moderately firm.

**Wilson's Albany.** Well known sort; early to medium.

**Bubach's No. 5.** (P.) Fruit large; very prolific; popular in the Chicago market.

**Warfield's No. 2.** (P.) A great market berry; dark crimson, fine flavor, very firm.

25c. per dozen, by mail, prepaid; 75c. per hundred; any variety.



BUBACH.

### GOOSEBERRIES.

**Downing.** The best of the American sorts. Fruit large, pale green, and of excellent quality, both for cooking and table use. Bushes stocky, vigorous, hardy, very prolific.

**Industry.** A fine red variety, a vigorous grower and immense yielder.

10c. each; \$1 per dozen.

### GRAPES.

**Brighton.** Dark red berries of medium size.

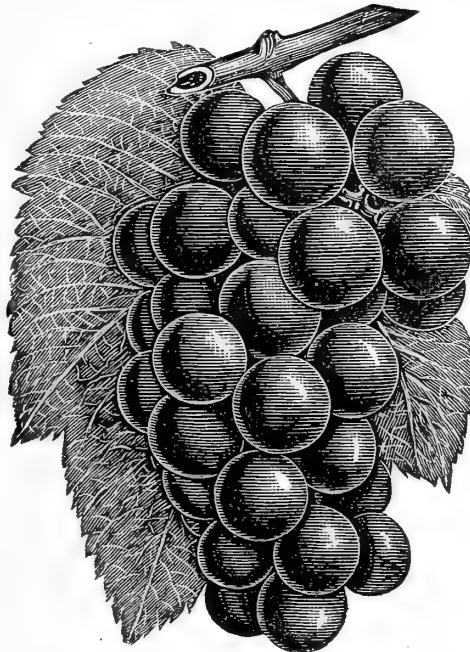
**Concord.** Large purplish black. The old favorite.

**Moore's Early.** Two weeks earlier than the Concord, which it resembles as to color, etc.

**Niagara.** Hardy, strong and vigorous grower. Berries are greenish white, semi-transparent, slightly ambered in the sun. Skin thin and tough; very sweet.

**Worden.** Black, handsome, compact bunch. Ripens earlier than the Concord.

Any variety, 15c. each; by mail, 20c.



MOORE'S EARLY.

heavy bloom, firm, meaty and of fine flavor. It responds liberally to generous treatment.

**Shaffer's Colossal.** Canes of wonderful vigor and size, hardy and enormously productive. Berries large, luscious, rich, sprightly flavor.

**Souhegan, or Tyler.** A very early blackcap, and the leading early market sort.

Raspberries, any variety, 50c. per dozen; by mail, 60c. per dozen.

### BLACKBERRIES.

**Erie.** This is decidedly the finest blackberry. Perfectly hardy. Of enormous size. By far the sweetest, most melting and delicious of all blackberries.

**Dewberry.** (Lucretia or Creeping Blackberry.) Conceded to be the finest of its class. The quality is superb. Per dozen, 50c.; by mail, 60c.

### CURRENTS.

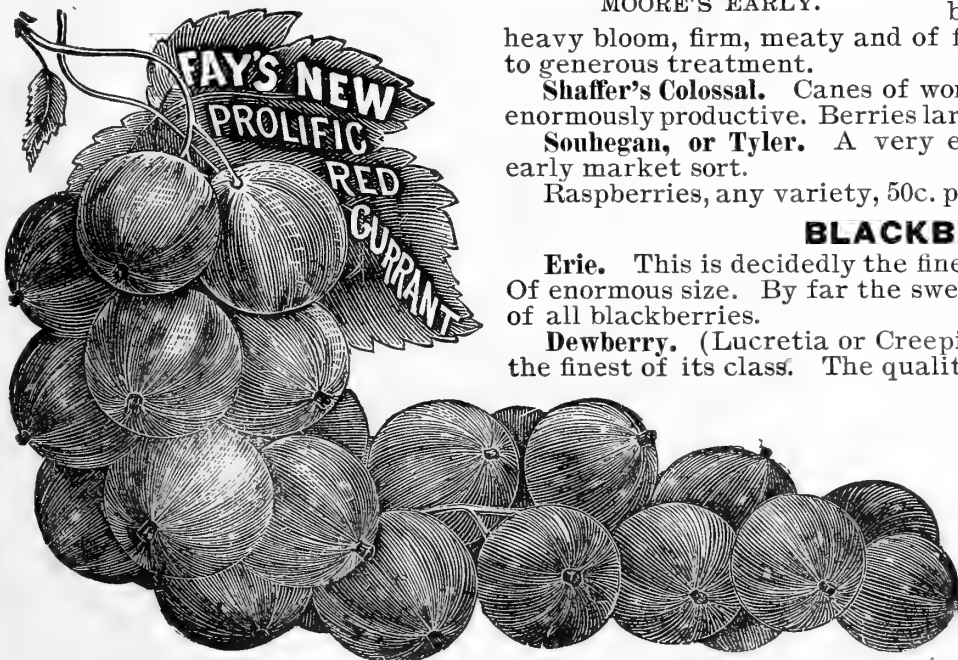
**Fay's Prolific.** The best currant. Large fruit in long clusters. The flavor is very fine.

**Cherry.** Large red.

**White Grape.**

**Black Champion.**

10c. each; \$1 per dozen.



## GRASS DEPARTMENT.



ITALIAN RYE GRASS.

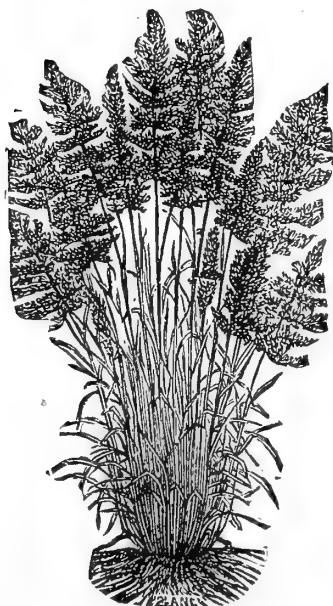
relished by all kinds of stock, and especially so by horses, while it possesses a large percentage of nutritive matter in comparison with other agricultural grasses. It grows very readily and yields very large crops on favorable soils. It can never be used effectively as a pasture grass. Forty-five pound bushel; 12 pounds to acre. Write for market price, Lb., by mail, 18c.; 100 lbs., \$6.50.

**Italian Rye Grass.** (*Lolium Italicum*.) A valuable European variety, adapted to any climate, and produces large and nutritive crops. Eighteen-pound bushel. Lb., 18c., by mail. 100 lbs., \$8.50.

**English Rye Grass.** (*Lolium perenne*.) A very nutritious, rapid growing variety, valuable for meadows and pastures. Twenty-four-pound bushel. Lb., 18c., by mail 100 lbs., \$8.00.

**Creeping Bent.** (*Agrostis stolonifera*.) An excellent variety for lawns or pastures; succeeds well in damp soils. Lb., 25c.

**Tall Meadow Oat Grass.** (*Avena Elator*.) This produces an abundant supply of foliage, and is valuable for pasturage on account of its early and luxuriant growth. It is recommended for hay, and shoots up very quickly after being cut, and produces a thick crop of aftermath, which also makes it valuable as a soiling crop. lb., 35c., by mail. 10 lbs., \$2.25, by express.



HARD FESCUE GRASS.

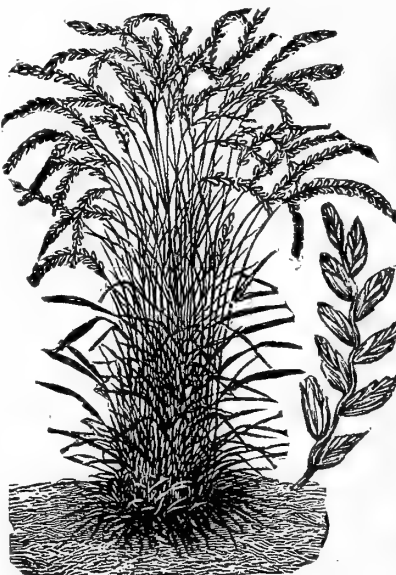


KENTUCKY BLUE GRASS.

**PLEASE NOTE** That all Grass Seeds, Clovers, etc., are now priced by the pound and hundred pounds instead of by the bushel. Freight charges and express charges to be paid by purchaser. The prices quoted are those ruling at this date, January 1, 1902, and are subject to change. Market price given upon application.

**Red Top.** (*Agrostis Vulgaris*.) A valuable grass for moist soils and low lands. It is a good, permanent grass, standing our climate as well as any other, and consequently well suited to our pastures, in which it should be fed close, for if allowed to grow up to seed the cattle refuse it. On moist, rich soil it will grow two feet, and on poor, gravelly soil about half that height. Fourteen-pound bushel; two bushels to acre. Lb., by mail, 18c.; 100 lbs., \$6.50.

**Timothy.** (*Phleum Pratense*.) This is decidedly the best grass for hay, making a large return of strong, rich clay, of medium state of moisture. Though somewhat coarse and hard, especially if allowed to ripen its seed, yet, if cut in the blossom, or directly after, is greatly



ENGLISH RYE GRASS



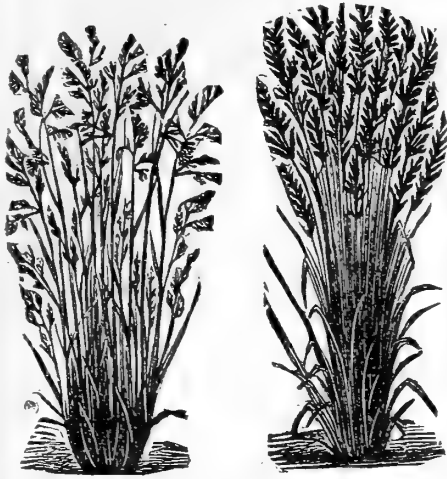
SWEET VERNAL GRASS.

**Sweet Vernal Grass.** (*Anthoxanthum Odoratum*.) This grass yields but a moderate percentage of herbage. It is remarkable for giving out a pleasant, sweet smell during the process of drying, and it is to the presence of this grass that hay from natural meadows owes its peculiar fragrance. Permanent pastures should not be sown without a portion of this grass. Lb., 35c., by mail. 10 lbs., \$2.25, by express.

**Kentucky Blue Grass.** (*Poa Pratensis*.) This is known in some sections as "Green Meadow Grass" and "June Grass," but should not be confounded with "*Poa Compressa*," called by some "June, or Wire Grass." It is the best pasture for our climate and soil, succeeding finely on hill lands and producing the most nourishing food for cattle, retains its qualities to a late period in winter, and, further south, affording abundant food throughout the winter. Sow early in the spring or during the months of October and November. Fancy clean seed. Lb., 20c., by mail. 100 lbs., \$9.00.

**Hard Fescue.** (*Festuca Duriuscula*.) Similar to Sheep's Fescue, but not so dense, and growing somewhat taller. This often will cover sandy soil under the shade of large trees where no other grass will grow; is a desirable addition to lawn grass. Sow thirty pounds per acre. Lb., 30c.; 100 lbs., \$15.00.

## GRASS SEEDS.



MEADOW FESCUE. SHEEP'S FESCUE.

**Extra Fancy or Solid Seed Red Top.** This seed differs from the ordinary Red Top quoted on page 94 in that there is no chaff in it. This grade of Red Top is as clean as timothy seed, and will weigh about thirty-eight pounds to the measured bushel. It is by far the most economical grade of Red Top to use in mixtures or for any purpose where this grass is desirable. It should enter largely into all grass mixtures for low land, and for moist or wet soil sown to grass it is indispensable. The value of Red Top is known to many farmers who may not be acquainted with this Solid Seed grade, and for this reason we call special attention to Solid Seed Red Top, and would urge all who intend sowing Red Top to get this grade in preference to the ordinary chaff seed. The price per hundred pounds of Solid Seed is much higher than the hundred pound price of the ordinary. But when it is shown that one hundred pounds of Solid Seed sows fourteen acres and one hundred pounds of chaff seed sows only three acres, the difference in price in favor of the Solid Seed is plainly seen. By mail, lb., 30c.; 4 lbs., \$1; post-paid. 100 lbs., \$13.50.

**Meadow Fescue, or English Blue Grass.** (*Festuca Pratensis*.) A perennial grass from two to four feet high, with flat, broad leaves. This is one of the standard European grasses. It needs rich ground, and succeeds well on prairie soil. This an excellent pasture grass to take the place of the wild grasses, as it yields a large amount of early and late feed. Sow about twenty-five pounds per acre. Lb., 30c.; 100 lbs., \$11.00.

**Sheep's Fescue.** (*Festuca Ovina*.) A small, tufted, hardy grass, forming a cluster of narrow, cylindrical leaves, of value in mixture for lawns or dry soils and under shade. Sow about thirty-five pounds per acre. Lb., 30c.; 100 lbs., \$15.00.

**Tall Fescue.** (*Festuca Elation*.) A valuable perennial grass, very productive and nutritious. It is native to moist, heavy soil, where it probably does best, but it succeeds well on any good soil, wet or dry. If used alone sow forty pounds per acre. Lb., 35c.; 100 lbs., \$16.50.

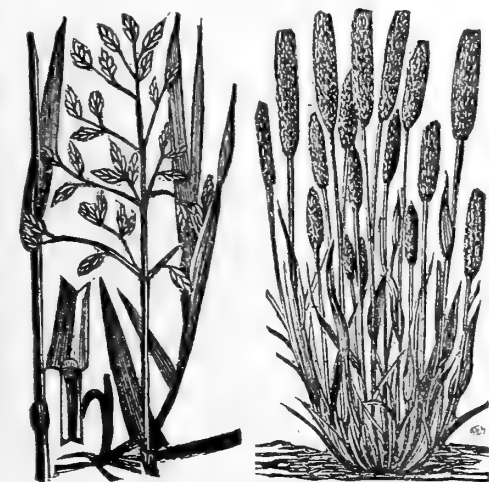
**Wood Meadow Grass.** (*Poa Nemoralis*.) Grows from one and a half to two feet high; has a perennial creeping root, and an erect, slender, smooth stem. One of the best varieties to sow in shaded situations, such as orchards and parks, for either hay or pasturage. Sow about thirty pounds to the acre. Lb., 50c.; 100 lbs., \$30.00.

**Creeping Bent Grass.** (*Agrostis Stolonifera*.) Particularly valuable for lawns that are to be used as croquet and tennis grounds, because it is benefited more than hurt by tramping, and by its bright color adds to the beauty of the lawn. Lb., 40c.; 100 lbs., \$20.00.

**Orchard Grass or Rough Cocksfoot.** (*Dactylis Glomerata*.) This is one of the most valuable and widely known of all pasture grasses, coming earlier in the spring and remaining later in the autumn than any other. It grows about two and a half feet high, producing an immense quantity of leaves and foliage. Blooms with red clover, making with it an admirable hay. It is well adapted for sowing under trees or orchards, and very valuable either for grazing or for hay. Fourteen pounds to bushel, two bushels to acre. Lb., 25c.; 100 lbs., \$12.50.

**Fowl Meadow, or False Red Top.** (*Poa Serotina*.) It yields well when sown on low, moist land, and stands longer in good condition for cutting than most grasses. It can be mowed almost any time from July to October. When three feet high it falls down, or lodges, and after a little time every joint puts forth new branches. The stalk is always sweet and tender, and cattle and sheep are fond of it. Requires about twenty-five pounds of seed per acre. Sow in spring or fall. Lb., 40c.; 100 lbs., \$25.00.

**Meadow Foxtail.** (*Alopecurus Pratensis*.) An erect perennial, in appearance slightly resembling Timothy. Valuable for permanent pastures and does best on good moderately moist soil. If sown alone use twenty-five pounds per acre. Lb., 50c.; 100 lbs., \$30.00.



RED TOP.

MEADOW FOXTAIL.

**Rough Stalked Meadow.** (*Poa Trivialis*.) A strong growing, hardy grass, well suited for deep, moist soils, but of little value on soil which is poor or dry. Sow about twenty pounds per acre. Lb., 50c.; 100 lbs., \$30.00.

**Wild Rice.** (*Zizania Aquatica*.) The only one of our native plants furnishing food for wild fowl, ducks, geese, etc., which has been made an article of commerce. This seed can be sown on the borders of lakes, ponds, and along small streams to great advantage, attracting all of these wild birds from September on. It purifies the water and affords refuge to the small fry from the large fish. It makes a good hay, and at the south two crops can be cut, and all cattle are fond of it. Sow in water having a mud bottom. Lb., 30c., post-paid; bushel of 20 lbs., \$3.50. Write for price on large quantities.

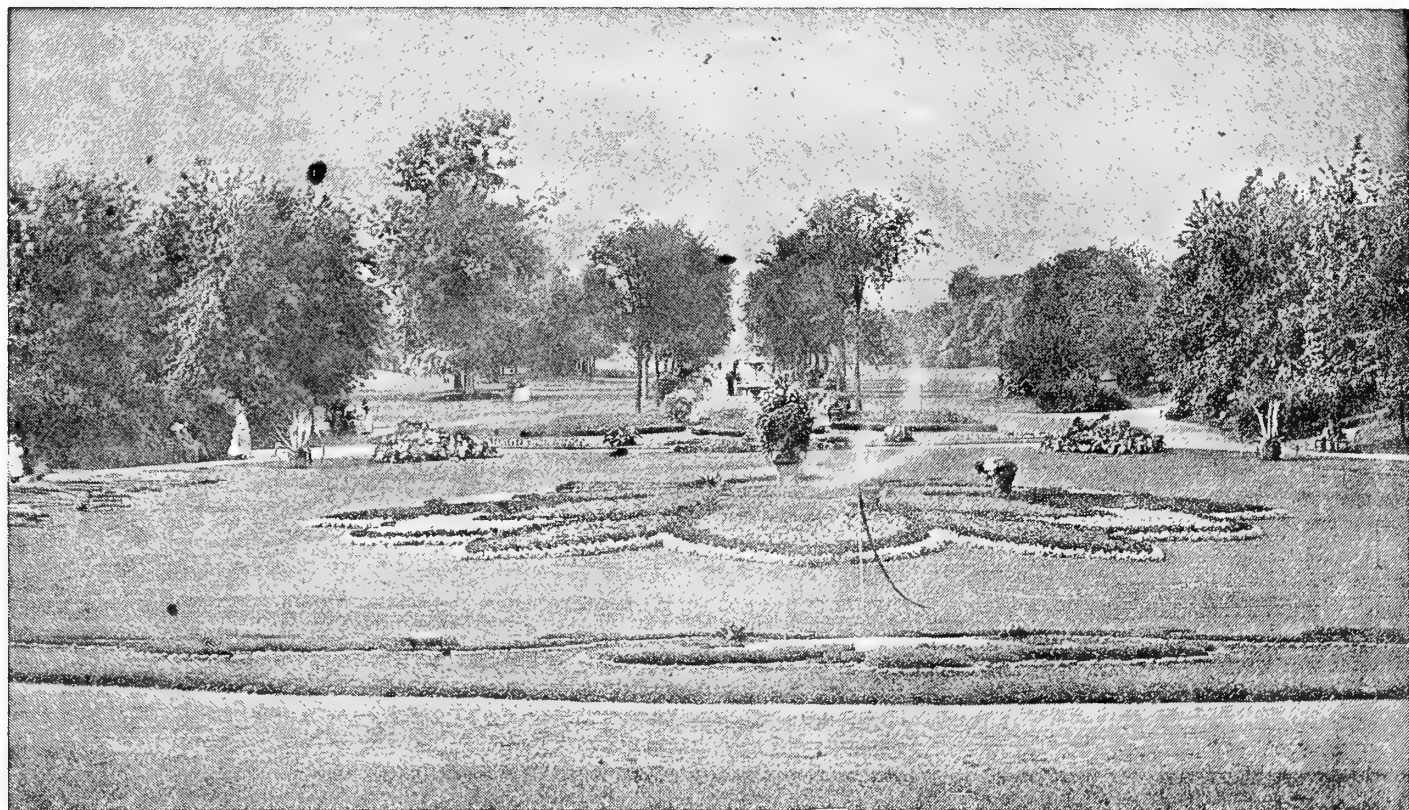
**Bermuda Grass.** A most valuable grass for the southern states, as it withstands the heat and drought wonderfully well. Is valuable for hay and pasture, and unsurpassed for lawns in the south, forming a dense turf. Sow eight pounds per acre. Lb., \$1.00; 3 lbs., \$3.65, post-paid; 5 lbs. or more @ 75c., not prepaid.



ORCHARD GRASS.



## LEONARD'S LAWN GRASS MIXTURES.



CHICAGO PARK SCENE.—LEONARD'S LAWN MIXTURES ARE USED IN THE CHICAGO PARKS.

Fine lawns can only be made by using the best grade of grasses. The proper blending to give satisfactory results needs the study of years. Some of the most beautiful lawns in Chicago and its suburbs are sown with Leonard's special mixtures, and the stability and fine appearance of the lawns in the Chicago parks, which are sown with our mixtures, is good proof that we know how to prepare lawn grass.

**Chicago Parks Mixture.** This mixture forms a close, thick turf. It is composed of those grasses which will endure, and keeps getting thicker and better the longer it stands. In the mixture we combine the quick growing grasses, which give immediate effect, with those of lasting character. This lawn grass is suitable for any location having in its composition all the requirements for sandy loam, for clayey soil, and for a combination of soils. Even under trees this mixture succeeds well. It is our standard lawn grass. No preparation of grasses can be blended which will give such universal satisfaction. Lb., 35c.; 5 lbs., \$1.60, post-paid. By express or freight at purchaser's expense, 10 lbs., \$2.00; bus. of 18 lbs., \$3.25; 100 lbs., \$16.50.

**Shady Ramble Mixture.** This is a combination of those dwarf growing hardy grasses which in their natural state are found in woods and other shady spots. We have had great success in preparing mixtures for the shady rambles in our parks and on lawns where there are shady places. Lb., 30c.; 5 lbs., \$1.45; post-paid.; 100 lbs., \$15.00.

**Embankment or Terrace Mixture.** To get a good stand from seed upon a terrace or embankment requires a special blend of those grasses having strong spreading roots. The soil is usually shallow on side hills and embankments, consequently heavy rains tend to wash out the grass unless the roots are exceedingly strong and tenacious. This mixture has been found equal to all demands, and will give every satisfaction. Lb., 30c.; 5 lbs., \$1.45, post-paid. By express or freight, 10 lbs., \$1.75; 100 lbs., \$15.00.

**City Yards Mixture.** We prepare this mixture for city yards, where the grass is trodden down during the freezing and thawing of our winters by the tireless feet of children, who must play somewhere out of doors. This mixture is made of the quick growing grasses, and will give immediate results in the early spring. Lb., 30c.; 5 lbs., \$1.25; post-paid. By express or freight, 10 lbs., \$1.60; 100 lbs., \$14.00.

## LEONARD'S GOLF LINKS MIXTURES.

There is no use to which a grass mixture is put that is so exacting as that used for pleasure grounds, golf links, etc. No other turf is required to stand such wear and rough usage; hence the necessity of sowing such grasses as will produce a thick and healthy growth, and withstand the constant tramping of many feet. We have devoted much time to experimenting in order to produce the correct mixtures, such as will quickly produce a rich green turf.

**For the Putting Green.** A careful study of the requirements for making the most substantial turf for putting greens developed the mixture herewith offered by us for this purpose. It has given thorough satisfaction wherever used, and produces a thick, tough, beautiful green turf. The varieties comprising this mixture are all the finest bladed, low growing and most hardy kinds, and will maintain their rich velvety green color throughout the season.

**For the Links.** Made from our own formula, with the object of producing a turf that will stand rough usage. For cricket tables, golf links, polo grounds, or wherever a good sward is wanted, this seed will give perfect satisfaction. Post-paid, lb., 35c. By express or freight, lb., 25c.; 5 lbs., \$1.10; 10 lbs., \$2.00; bus. of 20 lbs., \$3.60; 100 lbs., \$16.00.

## CLOVER SEEDS.

The prices on clovers constantly change, and it is always best to write for latest market price previous to ordering. But to customers at a distance, who cannot lose the time required to do this, we will say that if prices are lower they will get the benefit, and if prices are higher we will ship all that the money sent will pay for.

**THESE PRICES ARE THOSE RULING JANUARY 1, 1902,  
AND ARE SUBJECT TO CHANGE.**

**Medium Red or June (*Trifolium Pratense*).**—This is by far the most important of all varieties, for the practical purposes of agriculture. Sow in spring or fall, and when no other grasses are used, at the rate of eight or ten pounds per acre, more being required on old, stiff soils than on new and lighter ones. Sixty pounds per bushel. Lb., 20c., post-paid; 100 lbs., \$10.00.

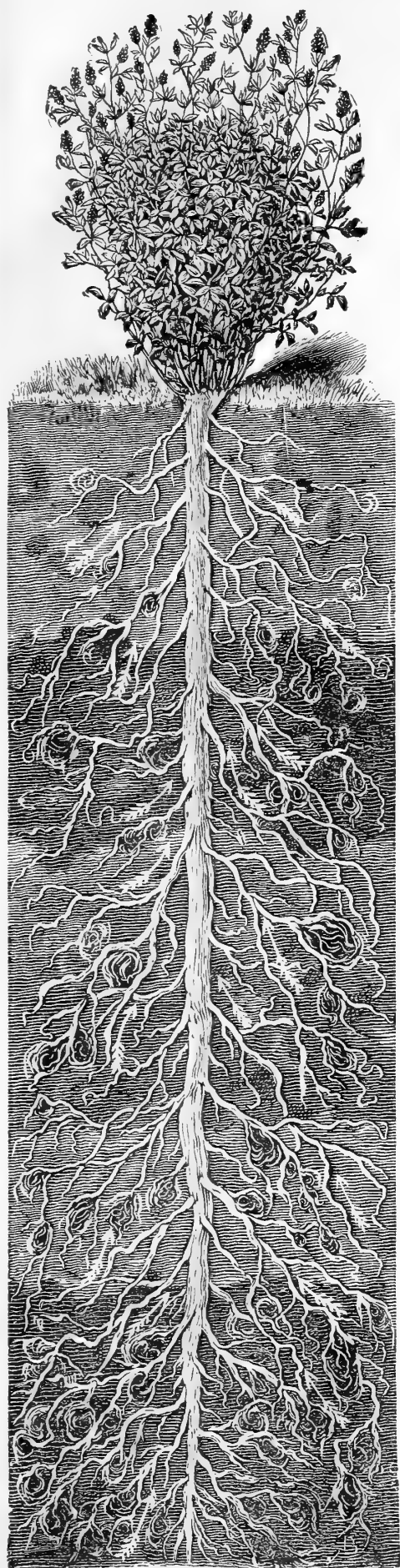
**Mammoth or Large Red (*Trifolium Pratense*).**—It grows five or six feet high, but its stalks are so coarse and large that stock will eat only the leaves. By its judicious use lands which have been exhausted may be reclaimed, as it will grow where the common clover will fail. Sow at the rate of about eight pounds per acre. Sixty pounds per bushel. Lb., 25c., post-paid; 100 lbs., \$10.50.

**White Dutch (*Trifolium Ripens*).**—A small, creeping, spreading perennial variety, valuable for pasture and lawns. It accommodates itself to a variety of soils, but prefers moist ground. In conjunction with Blue Grass it forms the most nutritious food for sheep or cows. Sow in spring at the rate of six pounds per acre, or when used with other grasses half that amount will be sufficient. Lb., post-paid, 40c.; 3 lbs., \$1.00; 100 lbs., \$15.00.

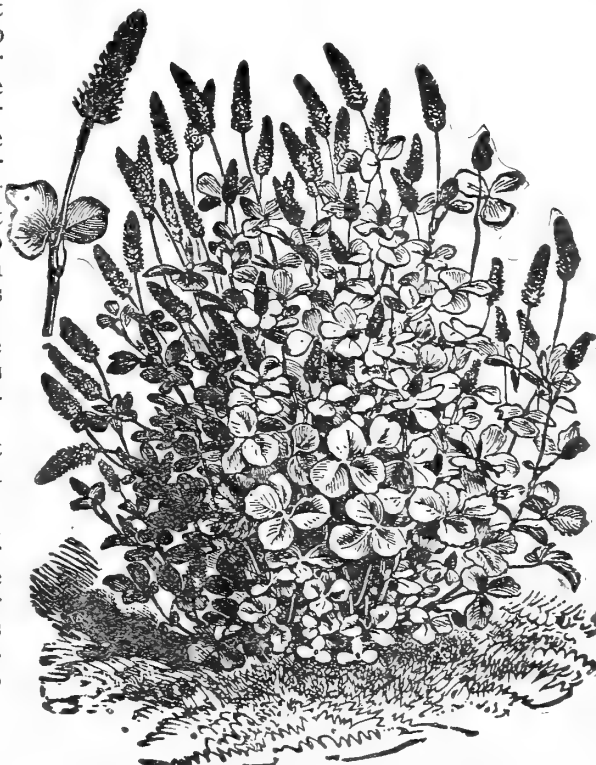
**Alsike or Swedish (*Trifolium Hybridum*).**—This valuable variety is fast gaining great popularity. It is the most hearty of all the clovers; perennial. On rich, moist soils it yields an enormous quantity of hay or pasture, and may be cut several times in a season, but its greatest value is for sowing with other clovers and grasses, as it forms a thick bottom and greatly increases the yield of hay, and cattle prefer it to any other forage. Sow in spring or fall at the rate of six pounds per acre, where used alone. Sixty pounds per bushel. Lb., post-paid, 35c.; 3 lbs., \$1.00; 100 lbs., \$15.00.

**Alfalfa or Lucerne (*Medicago Sativa*).**—One of the best varieties, succeeding in almost every situation and bearing heavy crops of forage. Will bear cutting three or four times during the season. For bringing up poor land it is the best of the clovers, as it not only produces large masses of foliage, but forces its roots down fully three feet into the earth. Sow early in spring to secure a good stand before winter if to be used for pasturage or for curing. Lb., post-paid, 30c.; 10 lbs., by express, \$1.00; 100 lbs., \$10.00.

**Crimson or Scarlet Clover.** It can be seeded at any time from June to October, at the rate of fifteen to twenty pounds per acre, and makes the earliest possible spring pasture, blooming the latter part of April or May, and for feeding as hay should be cut just before coming into full bloom. If sown with Italian Rye Grass or Orchard Grass, which matures at the same time, it yields luxuriant and nutritious crops for pasture. Sow Crimson Clover at the last working of all crops like beans, corn, melons, cucumbers, tomatoes, and other crops, whenever the land is not intended for such early spring crops as would not be benefited by following such a seeding, although it would pay to seed for only fall and winter months, if only for protecting the ground through the winter and catching and holding the fertility of the soil, which would otherwise be lost by leaching or other causes. 100 lbs., \$7.00.



ALFALFA CLOVER.



CRIMSON CLOVER.

fitted by following such a seeding, although it would pay to seed for only fall and winter months, if only for protecting the ground through the winter and catching and holding the fertility of the soil, which would otherwise be lost by leaching or other causes. 100 lbs., \$7.00.



## SEED OATS.

A change of seed oats is even more important than a change of seed potatoes. It will pay you to renew your seed oats this year by sowing some of our improved varieties and thus greatly increase your yield. Any variety at 5c. per large trial package. Lb., 25c.; 3 lbs., 60c., by mail, post-paid.

**Irish Victor.** A grand novelty and the most productive variety ever brought out. Every farmer should try it this year. Price is low. Pk., 40c.; bu., \$1.00.

**Lincoln.** What we claim for the Lincoln is that it is a very heavy yielder, is comparatively early, has proven itself to be entirely rust proof, and stands up exceptionally well. On account of its soft nib, heavy meat and thin hull it is unsurpassed for feeding and for making into oatmeal. By freight, pk., 40c.; bu., \$1.00.

**Early Champion.** Has comparatively short straw, matures a week to ten days earlier than other kinds, thus largely escaping the liability to rust. Its greatest value lies in its special adaptability as a nurse crop to sow with grass seed, as it does not stool as freely as some other sorts. Will not lodge on rich land. Henry Wallace, editor *Wallace's Farmer*, says: "I would rather risk sowing grass seed with them than any other variety I know of." Pk., 35c.; bu., \$1.00.

**Great New Zealand.** It averages a trifle higher than other sorts; has very stiff, strong straw, never known to lodge. About one week later in maturing than the common round head oats, thus giving time to harvest the hay crop. They stool out remarkably well, and thus require less seed to the acre. Are almost entirely free from rust on all kinds of soil. Pk., 40c.; bu., \$1.00.

**Black or Negro.** A very popular variety of oats in the south as they are claimed to be almost drought proof. They have stiff straw, heavy berry, and are very productive. While there are comparatively few black oats grown in this country, still they are said to be fully equal to the white for feeding, and are much preferred in England and other European countries. Pk., 50c.; bu., \$1.50.

**Winter Turf.** Highly valued in the south for fall sowing. Lb., 25c.; 3 lbs., 60c. By freight, pk., 50c.; bu., \$1.50.

**European Hulless.** This will doubtless be a novelty to many farmers, but hulless oats are not new in this country, as they have been cultivated to a limited extent for many years. The berry or grain, which is much larger than that of ordinary varieties, is loose in the hulls and easily threshed out as clean as wheat or rye. It should prove to be a desirable variety to make oatmeal from. Better try a little of it. Our stock is small and will doubtless be exhausted before season is over. Pkt., 10c.; lb., 35c.; 3 lbs., \$1.00, post-paid.

**Royal Victoria.** This variety is the best yielding of the plump, heavy grained sorts. It is an exceedingly early variety. For milling it is unsurpassed. The great weight of its grain makes its productiveness one-fourth more than the ordinary kinds, even though it thresh out but the ordinary quantity in measured bushels. Pk., 30c.

**White Bonanza.** A well known oat of great productiveness. Straw stiff and grain plump. Pk., 30c.

**American Banner.** A fine variety of long grained oats. A good yielder. Excellent for feeding or milling. Pk., 30c.

**Welcome.** A good milling oat; a heavy yielder. The grain is plump and heavy. Pk., 30c.

**Giant French Hybrid, Golden Giant Side.** A special stiff strawed variety; stools wonderfully, very productive, not inclined to lodge. The grain is long. Pk., 30c.; bu., \$1.00; 5 bu., \$4.50.

**Race Horse.** A fine plump grained oat, exceedingly productive and hardy. The grain is short and heavy, weighing as high as forty-two pounds to the measured bushel. Pk., 30c.; bu., 80c.; 5 bu., \$3.75.



ROYAL VICTORIA OAT.



## SPRING WHEAT.

**Saskatchewan Fife.** This wheat is beyond question the hardest and best milling wheat known. Other favorable features are earliness, vigor of growth, productiveness, purity and healthiness. Adapted to all states where spring wheat can be grown. Post-paid, lb., 25c.; 3 lbs., 60c.; by express or freight, pk., 60c.; bu., \$1.75.

**Velvet Chaff Blue Stem.** This wheat is a distinct variety from all other spring wheats. It is a bald, white chaff, and the chaff has a velvet-like surface, and the stem, just below the head, when green has a beautiful blue bloom on it which entirely disappears as the wheat ripens, and then the stem and straw assume a beautiful golden yellow hue and entirely free from rust. The wheat kernel is of the hard variety, quite similar to the renowned Scotch Fife, but much more productive, and equal to any spring wheat for milling. Post-paid, lb., 25c.; 3 lbs., 60c.; by express or freight, pk., 65c.; bu., \$1.75.

## WINTER WHEAT.

Jones' Winter Fife, Red Wonder, Early Red Clawson, Canadian Velvet Chaff, Early Genesee Giant and other varieties kept in stock. Bushel prices on application.

☞ Special prices on quantities of ten bushels and over of any one variety.

## SEED BARLEY.

**Highland Chief.** This is an entirely new and distinct two-rowed variety of barley. It is very robust, a vigorous grower, and the size of the grain when compared with any other is immense. It is less liable to be damaged by wet than other kinds, inasmuch as it is more closely covered with broad awns or spikelets, consequently it is less liable to lose color by the wet weather. Has strong, upright straw, yields from fifty to sixty bushels per acre, and usually weighs over fifty pounds to the measured bushel. Pk., 50c.; bu., \$1.15; lb., by mail, 25c.

**Mansury.** A six-rowed barley with long, heavy, well filled heads, containing large, plump grains. Straw bright, very strong, and is not apt to lodge, even on the richest lands. Ripens about a week to ten days later than the common six-rowed barley, or about the same time as two-rowed barley. Express or freight, pk., 50c.; bu., \$1.25; by mail, lb., 25c.

**Common.** Barley succeeds best on lands more sandy and lighter than those adapted to wheat. It is sown in the spring and can be grown farther north than any other grain. Sow from two to two and one-half bushels per acre. Weight, forty-eight pounds per bushel. Bu., \$1.10.

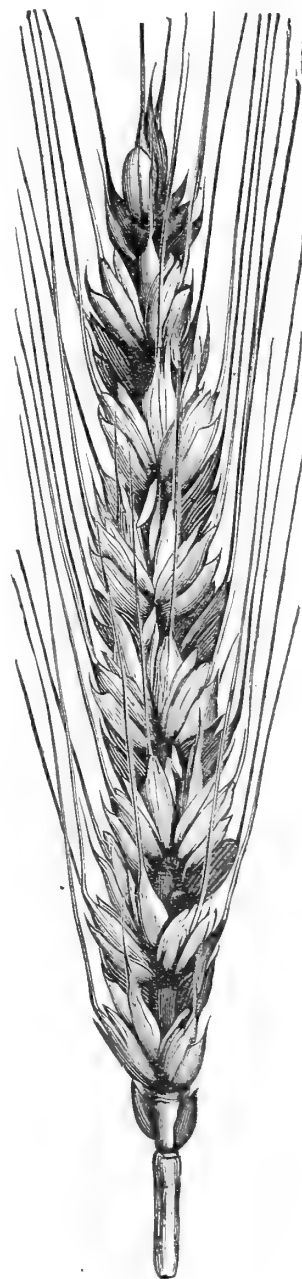
## SEED RYE.

**Fall or Winter.** The time for sowing is from the middle of August to the last of September. One plowing is given and the seed sown broadcast at the rate of one and one-half bushels per acre, and dragged in. Harrowing and rolling in the spring are recommended. If cut before fully ripe the grain makes more and better flour; if intended for seed it should be fully ripe. Sow some rye among standing corn, hoeing it in, leaving the ground level as possible, after the corn has been removed, rolling the ground. It succeeds best on sandy soils. Bu., \$1.25.

**Spring.** Although this grain is often planted by farmers, especially for the paper makers, who prefer it to any other, its principal value is as a "catch" crop, to sow where winter grain has failed. The straw is shorter and stiffer than that of the winter variety, and is always easier secured, while the grain, although smaller, is of equal value. Bu., \$1.25.



VELVET CHAFF  
BLUE STEM



MANSURY BARLEY.

## MILLET SEED.

Prices Change on  
all Grass Seeds,  
Millets, Field, Corn and  
Farm Grains. Always  
write for prices.

**Pearl.** (*Penicillaria Spicata.*) A valuable fodder plant for the south; is enormously productive. Sow in drills eighteen inches apart, and eight to ten pounds to the acre. *Write for prices.*

**Hog.** Known also as Broom Corn millet. Quite unlike the German and Common millet in habit of growth, as well as the appearance of the seed, which is much larger. The name Hog Millet has been applied to emphasize the use to which it is now being put as an economical and valuable food for hogs, while it is also one of the best varieties for use for birds and all like commercial purposes for which millet is sown. It is a valuable help in the profitable raising of swine, even in the best corn belts, and of much greater value in all northern localities where corn is not so important a crop. Value varies. *Write for market price.*

**Common.** (*Panicum Miliaceum.*) Requires a dry, light, rich soil, and grows two and one half to four feet high, with fine bulk of stalk and leaves, and is excellent for forage. Sow broadcast from May 1 to June 20 if for seed, or until the last of July if for hay. *Write for prices.*

**German or Golden.** This variety is not so early as the Common millet, but yields a much larger crop. Southern grown seed is much preferred, as it will produce more hay. Northern grown seed is usually hybridized with other millets, and will not grow as tall. We can furnish southern grown seed. *Write for prices.*

**Hungarian Grass.** (*Panicum Germanicum.*) A valuable forage plant. Succeeds well on dry, light soil. Withstands the drought remarkably, remaining green when all other vegetation is parched up, and if its development is arrested by dry weather, the least rain will restore it to vigor. *Write for prices.*

**Pencilaria.** (*Penicillaria.*) A wonderful forage plant of great value to all stock farmers. It is unexcelled, if equaled, for its quick growth, immense size and splendid quality. The seed is small, about one-eighth the size of a grain of wheat; it should be planted about the first of May, and will grow and stool or tiller out surprisingly fast. Its growth is truly luxuriant, the broad foliage resembling corn leaves, and if allowed to develop will attain a height of twelve to fourteen feet and bears cylindrical heads from twelve to twenty inches long, closely set with thousands of tiny seeds, which are greatly relished by poultry. A crop of this when nearing maturity looks like a field of giant timothy twelve to fifteen feet high. *Write for prices.*

## COW OR SOUTHERN PEAS.

Plant in thoroughly pulverized soil. If wanted to plow under for manure, sow with a grain drill in drills a foot apart. If grown for fodder or for seed, plant three and a half feet apart and cultivate thoroughly. The seed must not be sown until the soil has become thoroughly warm. Weight per bushel, 100 lbs.

**Black Eye.** Seed large, round, oblong, creamy white, with a large black eye. *Write for prices.*

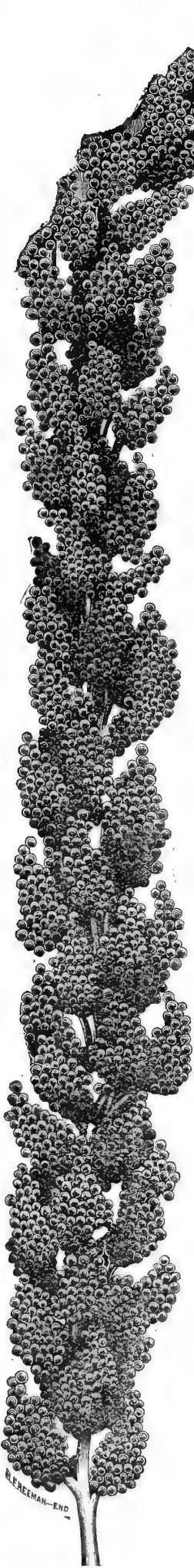
**Whip-Poor-Will.** The seeds are large, speckled brown in color. *Market changes. Write for prices.*

**Black.** Seed all black. Called also "The Poor Man's Pea," on account of its wonderful prolificacy. *Write for market price.*

**Clay Colored.** Large seed of a blue clay color. *Write for prices.*

## PLEASE NOTE.

The printed prices on all varieties of Grass Seeds, Clovers, Farm Seeds, Field Corn, Forage Plants and Potatoes are those ruling at this date, January 1, 1902. These prices are subject to market changes and are as likely to go lower as to go higher. FOR THIS REASON prospective buyers should write for market prices previous to ordering. We are in a position to name lowest market prices, and can supply all Farm and Field Seeds of the best quality that the market affords.



## DWARF ESSEX RAPE.



PHOTOGRAPH OF A FIELD OF ESSEX RAPE.

A forage plant of great merit, easily grown in any part of the United States, on any land that will raise turnips or corn, and will furnish abundant supplies of succulent, rich, nutritious pasture, at a season when it is most needed. It is of great value for sheep and lambs, and when turned on it, to use a common expression, "they soon weigh like lead." It is also of value for pasturing cattle. One acre of rape is sufficient to pasture ten to fifteen lambs on for two to two and one-half months. It is often sown broadcast, about five pounds to the acre, but will yield much better if drilled about two pounds to the acre, in rows twenty-two inches apart, and cultivated until plants are too large. Seed may be sown in May, but we do not advise sowing until June or July. Can, however, be sown with grain in the spring, and is said not to interfere with the grain crop. *Price subject to change. Write for market prices.*

## GRASS SEED MIXTURES FOR MEADOW AND PASTURE.

For every different kind and condition of soil there is a large number of grasses, either indigenous or introduced, which are especially suitable. Some sorts do best on high ground and in dry weather, others prefer plenty of moisture. Some mature so early, and others so late, that from the beginning of spring until winter sets in, there is no time when one species or another is not at its best. From these considerations the importance of sowing many varieties for pasture or meadow purposes will be apparent.

*A good authority recommends the following formulas for the different classes of soils:*

### MEADOW OR PASTURE MIXTURES FOR ONE ACRE.

#### No. 1.—On Good Land, Neither too Dry nor too Wet.

3 lbs. red top, 1 lb. meadow foxtail,  $\frac{1}{2}$  lb. perennial sweet vernal, 2 lbs. tall meadow oat grass, 3 lbs. orchard grass, 1 lb. hard fescue, 1 lb. sheep's fescue, 2 lbs. perennial rye grass, 15 lbs. timothy, 1 lb. red clover,  $\frac{1}{2}$  lb. alsike clover. A total of 30 lbs. Cost per acre, \$4.25.

#### No. 2.—For High and Dry Land.

3 lbs. red top, 4 lbs. tall meadow oat grass, 2 lbs. meadow brome grass,  $\frac{1}{2}$  lb. crested dog's tail, 5 lbs.

orchard grass, 1 lb. hard fescue, 1 lb. sheep's fescue, 1 lb. meadow soft grass, 10 lbs. timothy, 1 lb. rough stalk meadow grass, 1 lb. red clover,  $\frac{1}{2}$  lb. white clover. A total of 30 lbs. Cost per acre, \$5.

#### No. 3.—On Wet, Late Land.

4 lbs. red top,  $2\frac{1}{2}$  lbs. creeping bent, 4 lbs. orchard grass, 2 lbs. tall meadow oat grass, 1 lb. meadow fescue, 1 lb. tall fescue, 1 lb. meadow soft grass, 3 lbs. perennial rye grass, 10 lbs. timothy, 1 lb. red clover,  $\frac{1}{2}$  lb. alsike clover. A total of 30 lbs. Cost per acre, \$4.50.

### PASTURE MIXTURE OF GRASSES FOR ONE ACRE.

#### No. 4.—On Good Land, Neither too Wet nor too Dry.

2 lbs. tall meadow oat grass, 2 lbs. red top,  $\frac{1}{2}$  lb. perennial sweet vernal, 4 lbs. orchard grass, 2 lbs. sheep's fescue, 1 lb. hard fescue, 1 lb. meadow soft grass, 3 lbs. perennial rye grass, 1 lb. meadow foxtail, 5 lbs. Kentucky blue grass, 6 lbs. timothy,  $\frac{1}{2}$  lb. yellow trefoil, 1 lb. red clover, 1 lb. white clover. A total of 30 lbs. Cost per acre, \$5.25.

#### No. 5.—On Dry Land.

2 lbs. creeping bent grass,  $3\frac{1}{2}$  lbs. tall meadow oat grass, 1 lb. meadow brome grass, 3 lbs. orchard

grass, 1 lb. hard fescue, 3 lbs. sheep's fescue,  $\frac{1}{2}$  lb. perennial sweet vernal, 6 lbs. timothy, 3 lbs. perennial rye grass, 2 lbs. field burnet, 3 lbs. sainfoin, 1 lb. red clover, 1 lb. white clover. A total of 30 lbs. Cost per acre, \$5.25.

#### No. 6.—On Wet Land.

3 lbs. red top, 3 lbs. orchard grass, 1 lb. meadow fescue, 1 lb. tall fescue, 1 lb. meadow soft grass, 3 lbs. perennial rye grass, 1 lb. meadow foxtail, 8 lbs. timothy, 1 lb. rough stalk meadow grass, 6 lbs. Kentucky blue grass, 1 lb. alsike clover, 1 lb. white clover. A total of 30 lbs. Cost per acre, \$5.

Successful farmers recommend heavy seeding. The quantity that should be sown per acre depends upon the location and nature of the soil. There is a wide difference of opinion on this subject and the actual quantity of seed necessary should be determined by some one conversant with the local situation.



## FERTILIZERS.

It is unnecessary to tell our customers that Chicago is recognized as headquarters for commercial fertilizer. Here is to be had material for the manufacturing of fertilizer in large quantities and of highest grade. We have made special arrangements with the factory by which we are able to offer this article at the lowest wholesale price, and solicit correspondence from parties wishing large quantities. We can save you money if you buy by the sack, ton or carload. Every bag and barrel has a guaranteed analysis.

### A FEW IMPORTANT POINTERS.

The labor of growing thirty bushels of wheat to the acre is no more than if the yield is only ten bushels. The same is true of all other crops. Fertilizers increase the yield.

A sandy soil is usually deficient in all the essential plant food constituents. Clayey soils require nitrogen in particular, while soils rich in vegetable matter need phosphoric acid and potash. Limestone soils usually contain enough phosphoric acid and are deficient in nitrogen and potash.

These are only the general indications, and there are exceptions to the rule.

Thorough preparation and tillage of the soil are necessary to derive the best results from fertilizers.

Quick growing crops require soluble plant food. All our formulæ are high in available food.

Slow growing crops require a lasting fertilizer, one with pure bone as a basis, and many prefer bone alone. Fruit trees require slow acting fertilizers, but the small fruits require quicker acting, soluble goods. All fruits are potash eaters.

Clover, peas and beans get their nitrogen from the air, but rob the soil of phosphoric acid and potash. Grains and grasses require all three ingredients in a more or less soluble form, according to the time applied: If used in the fall, insoluble; if used in the spring, partly soluble, partly insoluble; late in the season, all soluble.

Root and tuber crops require plenty of all three fertilizing elements in the most available form. Our Vegetable and Lawn Fertilizer just fills the bill.

The character of the soil must be taken into consideration in selecting a fertilizer, as well as the crop to be grown.

Phosphoric acid and potash will not wash out of the soil to any extent, but remain there until the plant removes them. Although soluble, they make certain combinations in the soil which fixes them there. Nitrogen, however, is readily washed out of the soil and carried away by drainage.

**Vegetable and Lawn.** Guaranteed analysis: Ammonia, 4 to 5 per cent; available phosphoric acid, 7 to 9 per cent; total phosphoric acid, 8 to 11 per cent; actual potash, 7 to 9 per cent. This is positively the best article on the market for use as a complete manure for all purposes. It is the best lawn fertilizer ever prepared. Note the large amount of actual potash in this brand. 10-lb. package, 50c.; 25 lbs., \$1.00; bag of 100 lbs., \$2.00; 200 lbs., \$3.50; ton, \$30.00.

**Farmers' Favorite Brand.** Guaranteed analysis: Ammonia,  $3\frac{1}{2}$  to  $4\frac{1}{2}$  per cent; available phosphoric acid, 8 to 9 per cent; total phosphoric acid, 13 to 14 per cent; actual potash, 4 to 5 per cent. Two hundred pounds of this will go as far as six hundred pounds of almost any other brand on the market. It is available for spring crops and also lasting in the soil. It will build up your land, and is the most economical all-around fertilizer on the market. It is the best brand on the market for fruit trees, vines and small fruits. When wanted for fruit growing, if requested will use muriate instead of sulphate of potash, as it gives better results on fruit. 10-lb. package, 50c.; 25 lbs., \$1.00; bag of 100 lbs., \$1.90; 200 lbs., \$3.00; ton, \$27.50.

**Sure Winner Brand.** Guaranteed analysis: Ammonia,  $1\frac{1}{2}$  to  $2\frac{1}{2}$  per cent; available phosphoric acid, 7 to 9 per cent; total phosphoric acid, 12 to 14 per cent; actual potash, 3 to 4 per cent. For land and crops requiring minerals (phosphoric acid and potash) and very little ammonia, this brand fills the bill. 10-lb. package, 50c.; 25 lbs., \$1.00; bag of 100 lbs., \$1.50; 200 lbs., \$2.75; ton, \$26.00.

**Chicago Brand.** Guaranteed analysis: Ammonia,  $2\frac{1}{2}$  to 3 per cent; available phosphoric acid, 7 to 9 per cent; total phosphoric acid, 11 to 14 per cent; actual potash, 1 to 2 per cent. This brand gives you a combination of nitrogen and phosphoric acid, with very little potash, and where potash is not needed, gives very good results. 10-lb. package, 40c.; 25 lbs., 75c.; bag of 100 lbs., \$1.25; 200 lbs., \$2.50; ton, \$23.00.

**Nitrate of Soda.** Should be sown broadcast, and it is very important to sow it evenly. Two or three pounds on a square rod will be beneficial. 25 lbs., \$1.50; 50 lbs., \$2.00; 100 lbs., \$3.25; 200 lbs., \$6.50; 500 lbs., \$15.00.

**Pure Ground Bone, Steamed.** Guaranteed analysis: Ammonia, 3 to 4 per cent; bone phosphate, 50 to 60 per cent; equal to phosphoric acid, 24 to 26 per cent. In this article we give you a finely ground steamed bone, pure and in the best possible condition. Users of bone alone can find no better article. It will analyze nearer the highest per cent given in our guarantee than it will the lowest. It gives great big results on fall crops, and we will give you the bone for nothing if you find that it contains any adulteration whatever, as shipped from our factory. 10 lbs., 50c.; 25 lbs., \$1.00; bag of 100 lbs., \$1.60; 200 lbs., \$2.85; ton, \$27.00.

**Ground Raw Bone.** Guaranteed analysis: Ammonia, 4 to per 5 cent; bone phosphate, 45 to 55 per cent; equal to phosphoric acid, 21 to 25 per cent. This is a pure ground raw bone—no rock is put in to cheapen it. These goods also will analyze nearer the highest limit of our guarantee. 10 lbs., 50c.; 25 lbs., \$1.00; bag of 100 lbs., \$1.90; 200 lbs., \$3.00; ton, \$29.00.

**Florists' Plant Food.** This article has been made at the suggestion of florists, who desired to obtain an inexpensive, effective and odorless preparation, that would act quickly on plants and furnish food for flower and leaf. An application of this plant food will be observed in the vigorous growth of the flowers and a deep green foliage. 5 lbs., 50c.; 10 lbs., \$1.00; 25 lbs., \$1.75; 50 lbs., \$2.00; 100 lbs., \$4.00.

**Blood and Bone.** Manufactured of pure blood and done. The quantity we use of this fertilizer, when applied broadcast for such crops as spinach, cabbage, beets, onions or celery, is from one or two tons per acre, according to the condition of the land. For seed beds of cabbage, lettuce, etc., the same ratio of quantity is used. When this fertilizer is used in rows or in hills for such crops as celery, cabbage or early corn, from 100 to 200 pounds per acre will be enough. 200 lbs., \$3.00; ton, \$25.00.

**Bowker's Plant Food.** An excellent fertilizer for house plants. Clean to handle, without odor, produces rich green growth and profusion of flowers. Directions for use accompany each package. Small package, 15c.; by mail, 20c. Large package, 25c.; by mail, 40c.

## INSECTICIDES.

Insecticides cannot be sent by mail. The prices quoted are net. Purchaser must pay all express or freight charges. On many of the items prices change with the market, and special quotations will be made upon application. For prices on larger quantities than quoted, write. Any information desired in relation to insecticides or fungicides will be given as far as data at hand will permit.

**Fir Tree Oil.** For greenhouse and house plants. It destroys all plant insects without injuring the plant. It is the best insecticide for scale, aphid, red spider, mealy bug, thrip and worms. Dilute in the proportion of one pint to twenty gallons of water. Apply with vaporizer or syringe.  $\frac{1}{2}$  pt., 40c.; pt., 75c.; qt., \$1.25;  $\frac{1}{2}$  gal., \$2.25; gal., \$4.

**Fir Tree Oil Soap.** This is the same as the Fir Tree Oil, but in soap form. It is useful for the same purposes. Mix at rate of one ounce to a gallon of water, and apply with bellows or syringe.  $\frac{1}{2}$ -lb. tin, 25c.; 2-lb. tin, 75c.; 5-lb. tin, \$1.75.

**Dalmatian Insect Powder.** Effective against almost all kinds of insects.  $\frac{1}{2}$ -lb. box, 30c.; 1-lb. box, 50c.

**Gishurst's Compound.** A certain remedy for greenfly, scale, mealy bug, etc. Excellent for greenhouse use. Full directions for use on each box. 1-lb. box, 50c.

**Hammond's Grape Dust.** For the prevention of mildew on roses, grapes, gooseberries, etc. Apply with bellows. 5-lb. package, 35c.; 10-lb. package, 60c.; 100-lb. keg, \$5.

**Hellebore, Powdered.** An excellent protection from currant worms, grape slugs, caterpillars, etc. May be applied dry or mixed in water—one ounce to three gallons. 2-lb. box, 35c.; 1-lb. box, 20c.;  $\frac{1}{2}$ -lb. box, 12c.

**Whale Oil Soap.** For washing trees and destroying all insects on the bark. Mixed at the rate of one pound to four gallons of water, it will rid cabbage, rose bushes, peach trees, etc., of the aphides that so often infest them. 1-lb. box, 18c.; 5 lbs., 50c.; 10 lbs., 90c.; 100-lb. keg, \$7.

**Little's Antipest.** A sure destroyer of all insect pests. It is non-poisonous and harmless to vegetation. Mixed with water as follows it is effectual against—greenfly, one pint to ten gallons of water; mealy bug, one pint to one and one-half gallons; red spider, one pint to two gallons; ants, wireworms and slugs, one pint to one gallon.  $\frac{1}{2}$ -gal. can, \$1.50; 1-gal. can, \$2.50.

**Paris Green.** Mixed at rate of one pound to 200 gallons of water, it will prove effective against all chewing insects. 1-lb. can, 35c.;  $\frac{1}{2}$ -lb. can, 20c.;  $\frac{1}{4}$ -lb. can, 15c. This article is liable to fluctuate in price.

**Slug Shot (Hammond's).** Excellent for destroying cabbage, turnip and beet fly, potato bugs, currant worms, etc. Prepared ready for use. 5-lb. package, 30c.; 10-lb. package, 50c.; 100 lbs., \$4.

**Sulphur, Powdered.** Valuable for protecting against mildew on grapes, roses, etc. 1 lb., 10c.; 10 lbs., 60c.; 100 lbs., \$4.

**Sulpho Tobacco Soap.** Dissolve in proportion of two ounces to a gallon of water, and apply with a syringe or atomizer. It will destroy rose slugs, aphides, greenfly, bark lice, etc.  $\frac{1}{2}$ -lb. box, 25c.

**Tobacco Dust.** If dusted on while the foliage is moist it destroys rose lice, cabbage and turnip fleas, etc. Spread upon the ground, it keeps off all earth insects, and also acts as an excellent fertilizer. 1-lb. box, 10c.; 5-lb. package, 30c.; 10-lb. package, 50c.; 100 lbs., \$2.50.

**Tobacco Stems.** For fumigating plants infested with greenfly. Bale of about 100 lbs., \$1.50; bale of about 200 lbs., \$2.75; bale of about 400 lbs., \$4.50.

## LEONARD'S TRANSPLANTED VEGETABLE PLANTS.

WELL GROWN AND LIGHTLY PACKED TO CARRY LONG DISTANCES.

The fact that these plants are all grown from choicest stocks of seeds on our own grounds, is sufficient recommendation as to the genuineness of the varieties. Shipped by express only. Purchaser to pay charges.

### CABBAGE.

Ready, Early and Second Early, May 1st; late June 20th.

	PER 50	PER 100	PER 1,000
Extra Early Wakefield.....	\$0.40	\$0.75	\$4.50
Henderson's Early Summer.....	.35	.60	4.50
Fottler's Improved Brunswick...	.35	.60	4.50
Premium Flat Dutch.....	.20	.30	2.00
Improved American Savoy.....	.25	.40	2.50
Red Drumhead.....	.25	.40	2.50

### CELERY.

Ready June 20th to July 20th.

	PER 50	PER 100	PER 1,000
Dwarf Golden Heart.....	.35	.60	4.00
Perfection Heartwell.....	.35	.60	4.00
White Plume.....	.35	.60	4.00
Turnip Rooted.....	.35	.60	4.00

### CELERY.

Ready July 1st to August 1st.

	PER 1,000	PER 5,000	PER 10,000
Dwarf Golden Heart.....	\$2.25	\$10.00	\$18.00
Giant Golden Heart.....	2.25	10.00	18.00
Perfection Heartwell.....	2.25	10.00	18.00
White Plume.....	2.25	10.00	18.00
New Rose.....	2.25	10.00	18.00

### CAULIFLOWER, EARLY.

Ready May 20th.

	PER 50	PER 100	PER 1,000
Snowball.....	\$0.40	\$0.75	\$5.00
Extra Early Erfurt.....	.40	.75	5.00

### CAULIFLOWER, LATE.

Ready June 20th.

	PER 50	PER 100	PER 1,000
Lenormand's.....	.25	.50	2.50
Extra Early Erfurt.....	.25	.50	2.50
Autumn Giant.....	.25	.50	2.50

### KOHLRABI.

Ready April 10th to May 1st.

	PER 50	PER 100	PER 1,000
Early White Vienna.....	.35	.60	....

### SWEET POTATO.

Ready May 15th to June 1st.

	PER 50	PER 100	PER 1,000
Yellow Nansemond.....	.35	.60	2.50

### EGG PLANT.

Ready May 15th to June 1st.

	PER 50	PER 100	PER 1,000
New York Improved Purple.....	.85	1.50	....

### TOMATO.

Ready May 20th to June 1st.

	PER 50	PER 100	PER 1,000
Acme.....	.85	1.50	5.00
Favorite.....	.85	1.50	5.00
Beauty.....	.85	1.50	5.00
Mikado, or Turner's Hybrid....	.85	1.50	5.00

## GARDENING TOOLS AND SUPPLIES.

Prices given below do not include Prepaying of Charges except where noted.

**Bellows.** Used for dusting plants with sulphur. Two sizes, each \$1.00 and \$1.25.

**Dibbers.** For transplanting vegetable plants, steel points. Each, 25c.; by mail, 50c.

**Fumigators.** For fumigating plants with tobacco smoke. No. 1, \$1.50; No. 2, \$2.50; No. 3, \$3.50.

**Garden Lines.** Best braided. 200 ft., \$1.25; 100 ft., 65c.

**Garden Line Reels.** Each, 60c.

**Glass Cutters.** Diamond Universal, \$3.50.

**Glass Cutter and Glazing Tool.** Each, 10c.; doz., \$1.00.

**Hand Cart.** Has  $\frac{3}{4}$  in. iron axle, 29 $\frac{1}{2}$  in. long; wheels 30 in. high and tire 1 $\frac{3}{8}$  in. Box, 20x32 in. outside, and 10 in. high. Weight, 50 lbs. A very handy cart for light work. Price, \$7.00.

**Hoes, Scuffle.** Price, without handles, 6 in., 35c.; 7 in., 45c.; 8 in., 55c.; 9 in., 65c.

**Hoes, Dutch Garden.** Each, 40c.

**Hoes, Warren.** No. 1, 65c.; No. 2, 85c.

**Hose Nozzle.** Standard, with stream and 2 in. spray, 80c.; 2 $\frac{1}{2}$  in. spray, \$1.00.

**Horse Radish Grater.** No. 1, capacity 50 lbs. of roots per hour. Weight, 38 lbs. Price, \$7.00.

**Knives, Asparagus.** Imported, each, 90c. American, each, 35c.

**Knives, Budding.** Blades are of best English steel. Handles German silver or horn. Two styles of blades, A and B. Each, 50c., post-paid.

**Knives, English Budding.** Ivory handle. No. 1, each, \$1.00. Black handle, ivory tip, No. 2, each, 75c.

**Knives, Pruning.** Stag handle. bent blade. No. 3, each, 90c.; No. 4, \$1.25. Straight blade, each, \$1.15.

**Knives, Seed Potato.** Humphrey's concave (see cut). Each, 30c., post-paid.

**Mole Traps, Hales.** The best trap in use. Each, \$2.00.

**Mole Traps, Perfection.** A good trap, highly recommended by eastern seedsmen. Each, \$2.00.

**Patent Protecting Cloth for Hot Beds.** Largely used in place of glass for protecting plants in early spring. The material used in its preparation renders it very tough and durable, prevents it from shrinking, and causes it also to be partially waterproof. Heavy grade most suitable for all purposes. Per yd., 12c.; by mail, 21c., post-paid.

**Potato Fork.** Nine tined. Each, \$2.25.

**LANG'S  
HAND  
WEEDER**

HANDIEST  
TOOL  
ON EARTH.

30¢  
BY MAIL  
PREPAID



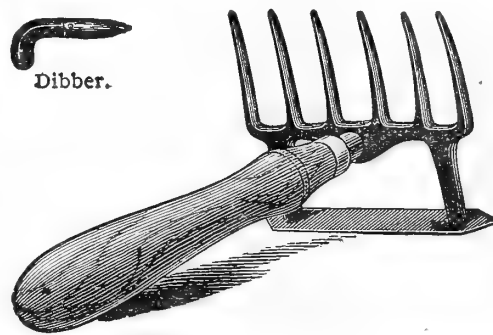
Excelsior Weeder.



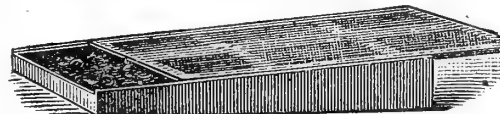
Hazeltine Weeder.



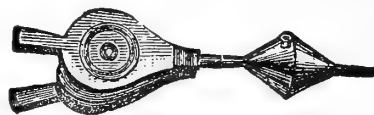
Dibber.



Combination Hand Weeder.



Protecting Cloth for Hot Beds.



Sulphur Bellows.

Humphrey's

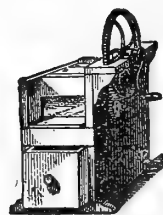
Concave

Potato

Knife.



Garden Line Reel.



Horse Radish Grater.



Scollay's Sprinkler.



Fumigator.

**Rakes, Garden.** Steel, sixteen teeth. Each, 75c.

**Rakes, Davis Lawn.** Each, 65c.

**Saws, Boynton's Pruning.** The best pruning saw made; has holes in handle for attaching pole. Each, 16 in., 85c.; 18 in., \$1.00; 20 in., \$1.25.

**Sprinklers, Scollay's Rubber.** Very fine for floral work or pot plants. Also very useful for dampening clothes or any kind of sprinkling. Made of the very best rubber. First size, \$1.10; medium, 70c.; small, 60c., pre-paid.

**Transplanter, The Avery.** An indispensable tool for gardeners. It is by far the best transplanter on the market. Small hand size, 50c.; large, two-hand size, \$2.00.

**Tree Pruners, Waters.** Length of pole 4 ft., \$1.20; 6 ft., \$1.40; 8 ft., \$1.60; 10 ft., \$1.80. Extra knives, each, 25c.

**Turf Edger.** For trimming walks, round edge. Each, 60c.; square edge, 65c.; including handle.

**Weeders, Bee.** Each, 15c., post-paid.

**Weeders, Noyes'.** An old standard tool. Each, 25c.; post-paid, 30c.

**Weeders, Hazeltine.** Made of best steel, good size and very durable. Each, 20c.; post-paid, 25c.

**Weeders, Excelsior.** A very useful tool for the garden. Each, 15c.; post-paid, 20c.

**Weeders, Lang's Hand.** A very good tool, allowing the use of hand while using. Each, 25c.; post-paid, 30c.

**Trowels.** Ordinary. Each, 5 in., 15c.; 6 in., 20c.; 7 in., 25c.; 8 in., 30c. Solid steel, 6 in., 50c.; 7 in., 60c.; 8 in., 70c.; post-paid.

**Putty Bulb.** Rubber, excellent for glazing. A pressure with the hand ejects the putty along the sash bars. Each, \$1.00; by mail, \$1.10.

**Thermometers, Siexe's Self-Registering.** This is perfectly true, and registers both heat and cold. Easily reset with a horseshoe magnet which accompanies each. \$3.00.

**Thermometers.** Tincase. 8 in., each, 25c.; not prepaid.

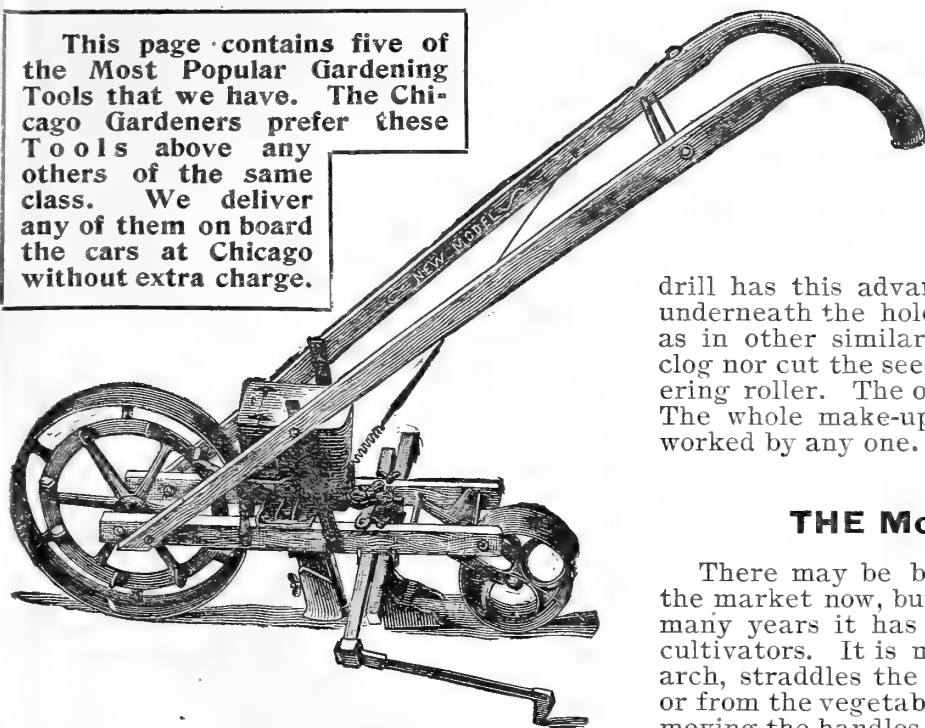
**Thermometers, Standard.** Wood case. Each, 45c.; not prepaid.

**Thermometers, Imported German.** All glass, for propagating beds and hot beds. Each, \$1.00



## TOOLS FOR GARDEN AND FARM.

This page contains five of the Most Popular Gardening Tools that we have. The Chicago Gardeners prefer these Tools above any others of the same class. We deliver any of them on board the cars at Chicago without extra charge.

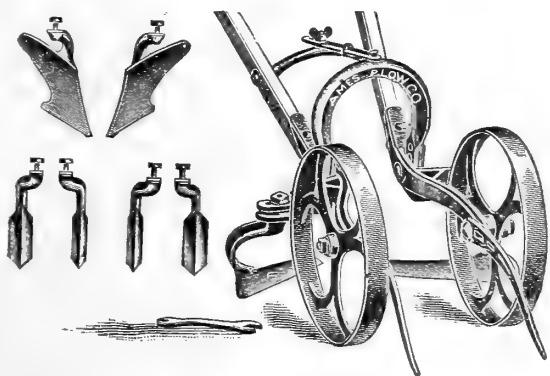


NEW MODEL SEED DRILL.

has also different kinds of attachments which come extra. We can supply these extras when wanted. Cultivators with weeding knives and cultivator blades. No better cultivator for onions exists. Price, \$4.00.

### NEW UNIVERSAL COMPLETE DOUBLE WHEEL HOE.

Specially designed for working both sides of the row at one passing. This new hand implement embraces all the good points of older efforts in the same line, and, in addition, offers new features which cannot fail of appreciation. The special recommendation is the adjustable arch, by which the teeth to be pitched at any angle desired. The attachments are—one pair hoes, four cultivator teeth, one pair plows, one pair rakes and one pair vine guards. Price, \$5.00.



NEW UNIVERSAL COMPLETE DOUBLE WHEEL HOE.

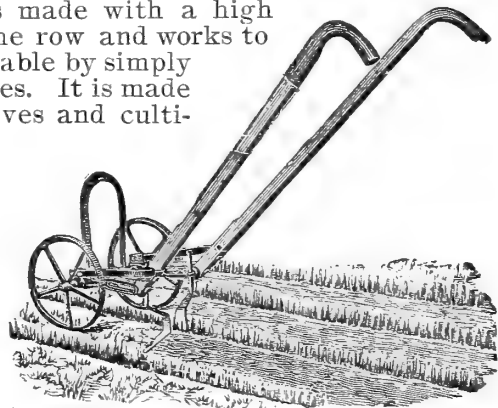
an indispensable companion implement to the seed drill. It is thoroughly constructed, very durable, and easy to operate. It spreads from six to fourteen inches, and will cut all the ground covered, even when spread to its greatest extent. The depth of cultivating may be accurately gauged by raising or lowering the wheel, which is quickly done. Prices complete, as in cut, \$5.50. Cultivator with five teeth, \$4.75; with the two weeding blades only, \$4.25.

### THE NEW MODEL SEED DRILL.

Among the Chicago market gardeners ten of these drills are used for every one of any other kind. The diamond shaped adjustable hole regulates the discharge, and can be made larger or smaller, as occasion requires. No other drill has this advantage. The seed cut-off claps up underneath the hole; it does not slide under the same, as in other similar drills: on this account it does not clog nor cut the seed. It has a broad wheel and a covering roller. The opening plow is adjustable in depth. The whole make-up of the drill is simple. It can be worked by any one. Price, \$6.50.

### THE MCGEE CULTIVATOR.

There may be better cultivators than this one on the market now, but it still has many friends, and for many years it has been the most popular of our hand cultivators. It is made with a high arch, straddles the row and works to or from the vegetable by simply moving the handles. It is made with weeding knives and cultivating blades. It



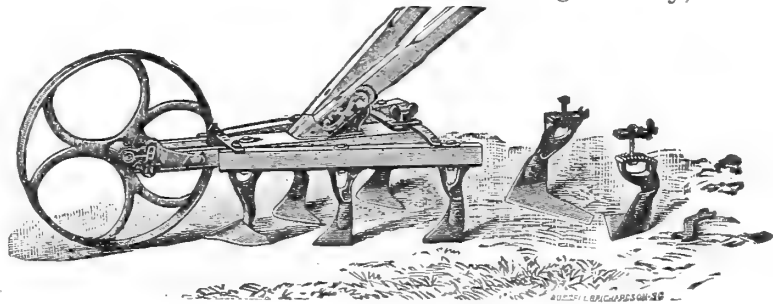
MCGEE CULTIVATOR.

### NEW UNIVERSAL PLAIN DOUBLE WHEEL HOE.

With one pair hoes only. The same machine as the foregoing, rakes, plows, cultivator teeth and leaf guards omitted. Price, \$3.25.

### MATTHEWS' HAND CULTIVATOR.

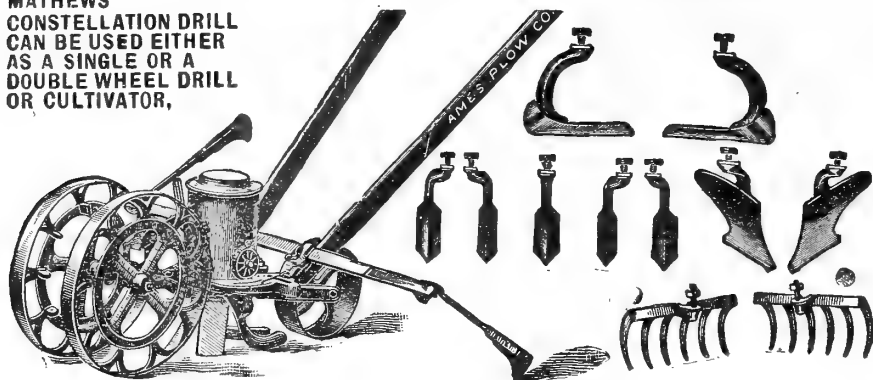
This is one of the best implements in use for weeding between row crops, and for flat cultivation generally, and is



MATTHEWS' HAND CULTIVATOR.

## TOOLS FOR GARDEN AND FARM.

**MATHEWS  
CONSTELLATION DRILL  
CAN BE USED EITHER  
AS A SINGLE OR A  
DOUBLE WHEEL DRILL  
OR CULTIVATOR,**



**MATHEWS CONSTELLATION DRILL.**

used either astride or between the rows. It is a conceded fact that by far the nicer work can be done by a one wheel seed drill. First, because the single wheel forms a sight for the operator in running a straight row, on the line marked out by previous passage of the drill. Second, because with a single wheel unevenness of the soil is readily passed over, without bringing extra strain on the operator to keep the drill steady, while with two wheels a little unevenness under one of the wheels will cant the drill so as to throw the furrow opener to one side, and thus leave a crook in the row, which will only be noticeable in after cultivation. Crooked rows tend to increase the labor of cultivation, which is arduous, and must be gone over several times in a season. Plant straight to start with and save extra labor. Price, \$8.00.

### MATHEWS NEW UNIVERSAL DRILL.

It works on the agitator principle, which is certain in its action, and much preferable to any other method in dropping the seed, and besides there is nothing liable to get out of order or bind in the operation. It opens the furrow, drops and covers the seed, rolls down the earth over it and marks the next row, all by simply pushing the drill forward. It sows with evenness and rapidity peas, beans, broom corn, onion, beet, carrot, parsnip, sage, etc. It is provided with an indicator having the names of different seeds thereon. Before planting turn the indicator around until the name of the seed to be sown comes to the pin at the top. The index is right under your eye while the hopper is easily watched. The flow of seed can be instantly shut off by means of the attachment shown on the handle. Beware of cheap imitations of this drill. None genuine but those having the patent indicator. Price, boxed, \$6.25.



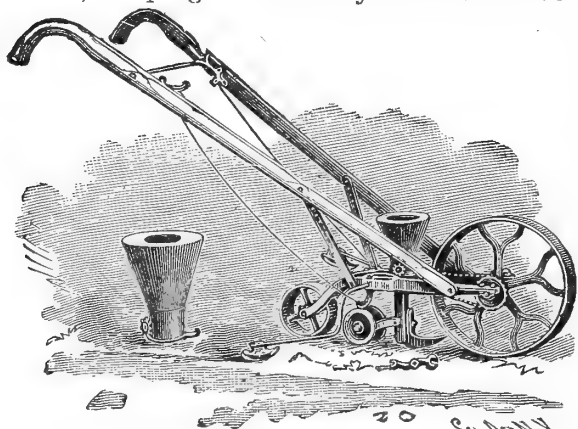
**MATHEWS UNIVERSAL SEED DRILL.**

**COMPLETE CATALOGUE  
...OF...  
MATHEWS  
HAND GARDEN TOOLS  
FREE  
ON APPLICATION.**

### ATTACHMENTS FOR

## New Universal Combination Drill and Wheel Hoes.

To work both sides of row at one passing, the attachment may be set to suit width of crop to be cultivated, keeping row midway between wheels; no need to watch the teeth.



**IRON KING SEED DRILL.**

We will furnish the various attachments with implements at the following prices:

1 pair Vine Guards.....	\$0.40
1 " Wide Cultivator Teeth.....	.50
1 " Narrow Cultivator Teeth.....	.50
1 Centre Cultivator Tooth .....	.25
1 pair Hoes .....	.70
1 " Rakes .....	.50
1 " Plows .....	.70
1 Large Plow .....	1.00

### THE IRON KING SEED DRILL.

This seed drill is used by many onion growers and market gardeners, and is considered by those who use it one of the very best drills. The endless chain arrangement which agitates the seed makes no noise while sowing, and it has many other good points which other drills lack. Price, \$7.00.

## TOOLS FOR FARM AND GARDEN.

### CORN PLANTERS.

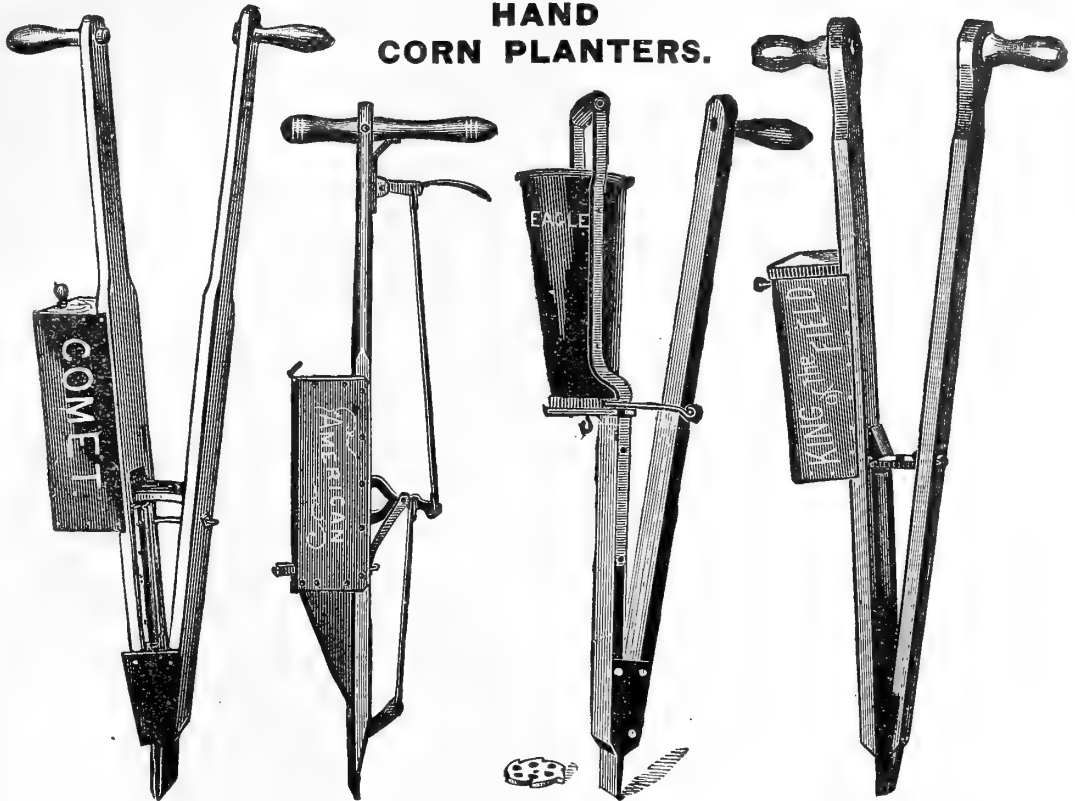
**King of the Field.** This is a very convenient and durable planter. The adjustment permits its being regulated to drop four, six or more kernels. It gives satisfaction wherever tried. Each, \$1.00.

**The Eagle.** This is a rotary planter having three different sized plates, which can be put in or taken out as needed in the easiest manner. It is the most popular planter of all. Each, \$1.25.

**The American.** This planter can be worked with one hand, and for this reason has many friends, and is quite popular. It works to the satisfaction of all who have used it, and at the low price asked for it, all who need a planter of this kind can easily afford to have it. Each, \$1.10.

**The Comet.** This planter is the best for the price ever offered. In workmanship it compares favorably with any other planter, and will give full satisfaction to any one using it. Each, 90c.

### HAND CORN PLANTERS.

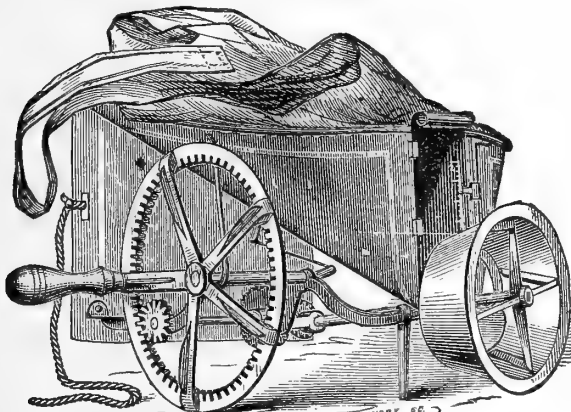


COMET.

AMERICAN.

EAGLE.

KING OF THE FIELD.



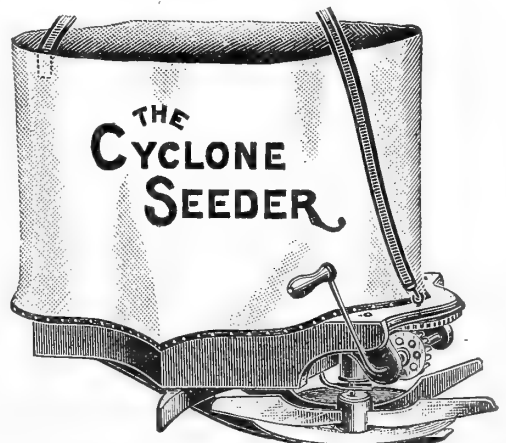
CAHOON SEEDER.

### BROADCAST SEEDERS.

**The Cahoon.** This well known broadcast seed sower is considered among the best. It is easily worked and sows timothy, clover, flax, wheat, oats, rye, barley, all kinds of grass, and may be used by the gardener for spinach seed or any other kind which he may wish to sow broadcast. Each, \$3.50.

**The Granger.** This sower is similar to the Cahoon in size and general appearance. It works easily, is of strong make and will sow evenly and satisfactorily grain, grass, clover and all farm seeds which are sown broadcast. Each, \$2.75.

**The Cyclone.** A seeder which is becoming very popular. It differs from the above mentioned kinds in construction, but does about the same work. It is a cheaper machine and a good one. Each, \$1.75.



**The Chicago Fiddle Bow.** The Fiddle Bow seeders are much used, give excellent satisfaction and are low in price. Sow all kinds of grass and grain, millet and clover. Each, \$1.00.

We aim to supply all Garden and Farm Tools. We have circulars and information at hand on many things that we have no space to list. Write for prices and circulars on any tools you may need.



## "PLANET JR." FARM AND GARDEN TOOLS.

Space will not permit our showing or describing all of the "Planet Jr." tools, but we will send a fully illustrated catalogue free for the asking to any who desire it, and we can supply promptly anything ordered. "Planet Jr." goods are standard machines, the best on the market. In sending your orders to us you can rely on getting bottom prices.



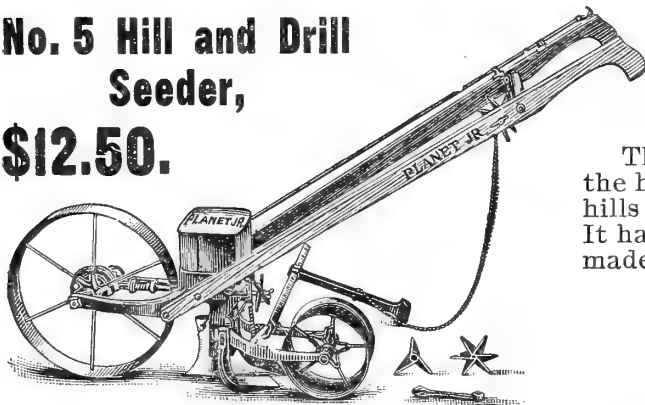
"PLANET JR." NO. 25 DRILL.

**No. 25 Hill and  
Drill Seeder,  
\$12.50.**

**"PLANET JR." No. 4  
Hill and Drill Seeder Combined with  
Single Wheel Hoe.**

The drill is detached and the tool frame substituted by removing but one bolt. It then becomes a single wheel hoe. With this one implement the small gardener can do practically all the work in his crops. Prices, complete, \$9.50; as a drill only, \$7.50.

**No. 5 Hill and Drill  
Seeder,  
\$12.50.**



"PLANET JR." NO. 5 DRILL.

**FARMER'S No. 19  
Single Wheel Hoe, Cultivator and Plow.**

This new and attractive implement is especially designed for the farmer's garden. The wheel is high, and is made with stiff steel rim and spokes.

The Tools are as follows:

A Large Garden Plow.  
Ten-inch Sweep.  
Six-inch Sweep.  
Four-inch Cultivator Tooth.  
Two-inch Cultivator Tooth.

The great variety and fine shape and quality of the tools make the implement valuable for many kinds of work. Price, \$3.50.

**"PLANET JR." No. 25**

**Hill and Drill Seeder, Combined with  
Double Wheel Hoe.**

This new combined machine consists of a complete hill and drill seeder and a double wheel hoe with all attachments. Every new feature of the "Planet Jr." drills, as well as of the "Planet Jr." wheel hoes, are found in this machine. The drill sows in hills or drills. The wheel hoe works perfectly, and the change from a drill to a hoe takes but a moment. Price, \$12.50.



"PLANET JR." NO. 4 DRILL.

**No. 4 Combined Hill  
and Drill Seeder,  
\$9.50.**

**"PLANET JR."  
No. 5 Hill and Drill Seeder.**

This seeder is the latest and most perfect development of the hand seed drill. It sows evenly in drills and also drops in hills at four, six, eight, twelve or twenty-four inches apart. It has every improvement to date; is the most accurate drill made. Hopper holds five quarts. Price, \$12.50.

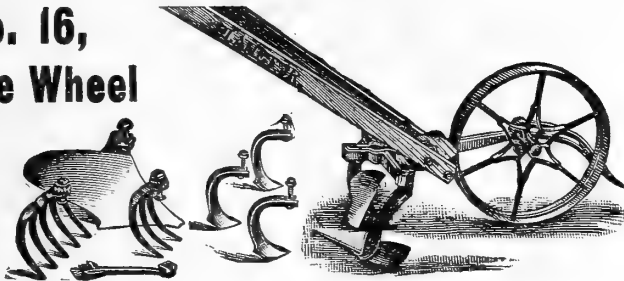


FARMER'S NO. 19 SINGLE WHEEL HOE.

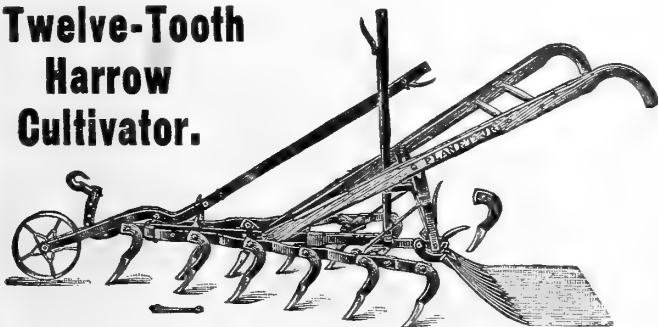
**Farmer's  
No. 19  
Single Wheel  
Hoe,  
\$3.50.**

**"PLANET JR." FARM AND GARDEN TOOLS.****No. 12,  
Double Wheel Hoe,  
\$6.50.****"PLANET JR." NO. 12.****"PLANET JR." No. 17,  
Single Wheel Hoe.**

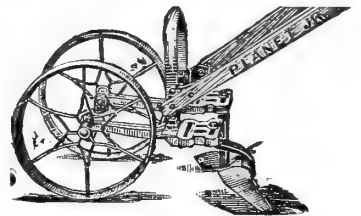
This tool is identical with No. 16, but has only a pair of six-inch hoes, a plow and a set of cultivator teeth, an outfit sufficient for most garden work. The other attachments may be added at any time. No. 17½, not shown by cut, is the same as this No. 17, but it has no plow; 17½ is sold for \$4.25. We have also a No. 18, which comes with hoes only, for \$3.25. Price of No. 17 complete, \$4.75.

**No. 16,  
Single Wheel  
Hoe.****"PLANET JR." NO. 16.****"PLANET JR." No. 8  
Horse Hoe.**

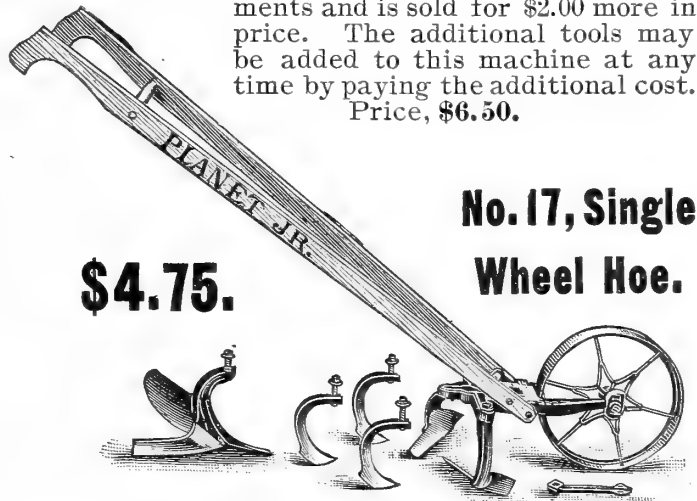
This standard horse hoe is used everywhere. It is the best made and most serviceable horse hoe in the market. It has every modern improvement. Every part is perfected to make the tool acceptable to the intelligent farmer, who knows the best is always the cheapest. Price, \$7.50.

**Twelve-Tooth  
Harrow  
Cultivator.****"PLANET JR." TWELVE-TOOTH HARROW.****"PLANET JR."  
No. 13, Plain  
Double Wheel Hoe.**

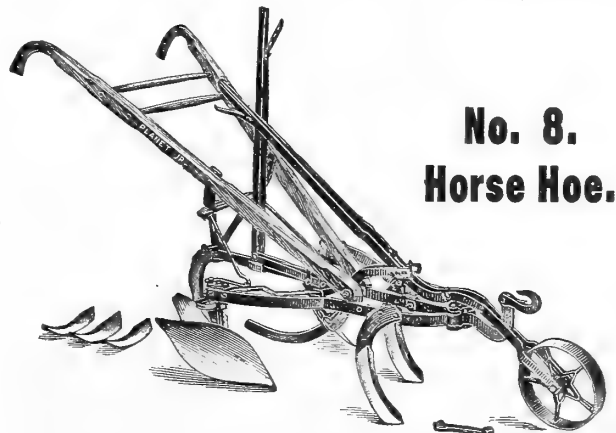
Same as No. 12, but has three-inch hoes only. This is a very useful tool and is low in price. Price, \$4.50.

**"PLANET JR." NO. 13.****"PLANET JR." No. 12,  
Double Wheel Hoe.**

This is the standard complete double wheel hoe. It is a useful tool to all gardeners, and can be adjusted to do all kinds of work. The No. 11 tool, not shown here, is the same as this one, but has more attachments and is sold for \$2.00 more in price. The additional tools may be added to this machine at any time by paying the additional cost. Price, \$6.50.

**No. 17, Single  
Wheel Hoe.****\$4.75.****"PLANET JR." NO. 17.****"PLANET JR." No. 16  
Single Wheel Hoe.**

This is the latest and best complete single wheel hoe. It has a very full set of tools and will do all manner of work. It has adjustable handles and quick change frame. Price, \$5.50.

**No. 8.  
Horse Hoe.****"PLANET JR." NO. 8 HORSE HOE.****"PLANET JR."  
Twelve-Tooth Harrow Cultivator.**

This tool has rapidly grown in favor with farmers and market gardeners. It has a high frame and the chisel shaped teeth cut an inch wide. It may be set with teeth trailing. Price plain, \$5.00. Price with wheel, \$6.00. Price complete, \$7.50.

## TOOLS FOR GARDEN AND FARM.

### THE ORIGINAL "GARDEN CITY CLIPPER" STEEL PLOWS

Made for Over Half a Century.



MADE WITH WOOD OR  
STEEL BEAM.

The name "Garden City Clipper" has been well known to farmers for more than half a century, and in the minds of those who have used them has been associated with easy draft, perfect work and long wear.

### "LY" SERIES.

#### Index Beam, with Strap Underneath.

All wood beam stubble and sod plows of this series are now made with "Index" beam, which can be adjusted sideways at the rear end, to vary the width of furrow; and we will put a strap under the beam, which will fasten to the standard, on all plows of this series when so ordered.

## STUBBLE AND SOD PLOWS.

**Wood Beam.** Sizes, ten to eighteen inches.

The wood beam plows are numbered LY17½, LY18½, LY19½, LY20½, LY21, LY77 and LY83.

#### Prices.

LY17½, 10-inch...\$ 9.50	LY20½, 13-inch..\$12.50
LY18½, 11-inch... 10.50	LY21, 14-inch.... 13.50
LY19½, 12-inch... 11.50	LY77, 16-inch.... 14.50

**Steel Beam.** Sizes, twelve to eighteen inches.

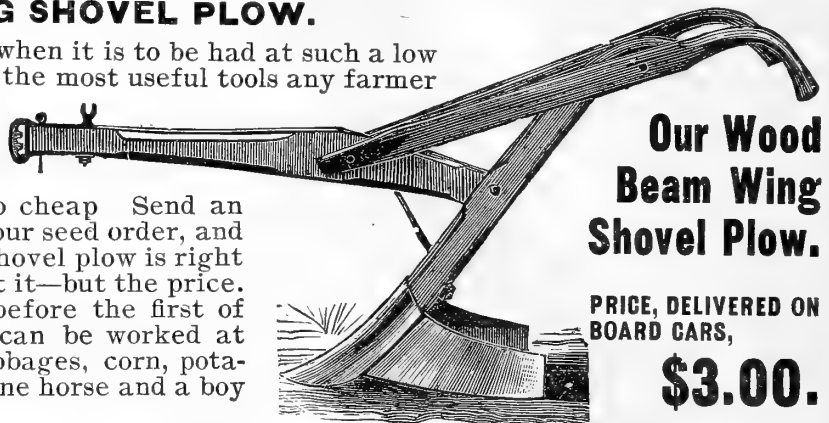
The steel beam plows are numbered L519½, L520½, L521, L577 and L583.

#### Prices.

L519½, 12-inch...\$11.50	L577, 16-inch.....\$14.50
L520½, 13-inch... 12.50	L583, 18-inch..... 16.00
L521, 14-inch..... 13.50	

### OUR WOOD BEAM WING SHOVEL PLOW.

Who will do without this valuable tool when it is to be had at such a low price? This favorite shovel plow is one of the most useful tools any farmer or gardener can have. There is no excuse for slaving with a hoe, when ten times the amount of work can be done so easily with a shovel plow. There never yet was such a chance to get a good tool so cheap. Send an order for one of these shovel plows with your seed order, and save freight. The workmanship on this shovel plow is right up to the standard; nothing is cheap about it—but the price. It will save ten times its cost in labor before the first of June. The hinge wings are adjustable: can be worked at any angle. It will hill-up anything—cabbages, corn, potatoes and everything that needs hilling. One horse and a boy are all you need to work it.



PRICE, DELIVERED ON  
BOARD CARS,

**\$3.00.**

## PLOW REPAIRS.

### CLEVISES, Complete.

For Steel Beam .....	\$0.70
For Wood Beam .....	.50

### STEEL SHARES.

14-inch, for either Steel or Wood Beam .....	3.00
16-inch, for either Steel or Wood Beam .....	3.50

### HANDLES.

Complete, painted .....	\$1.25
Complete, not painted .....	.90
Single Handles .....	.40

### WOOD BEAMS.

Dressed and painted .....	1.25
---------------------------	------

### STEEL BEAMS.

Painted .....	3.50
---------------	------

### COLTERS.

Rolling .....	\$2.25
Caster .....	3.00
Knife .....	2.25
Fin. ....	1.00
Sword .....	2.00

### GAUGE WHEEL.

Caster .....	2.25
--------------	------

## GASPIPE LEVER HARROW.

By lever harrows we mean those whose tooth bars can be turned by a lever, without stopping the team, to set the teeth perpendicularly or to slant them at any angle desired, either to clean them of trash or for putting in grain, or for other work. This cut shows the latest improved gaspipe harrow with top adjusting bar at center of each section. It represents a two-section four-bar sixty-four tooth

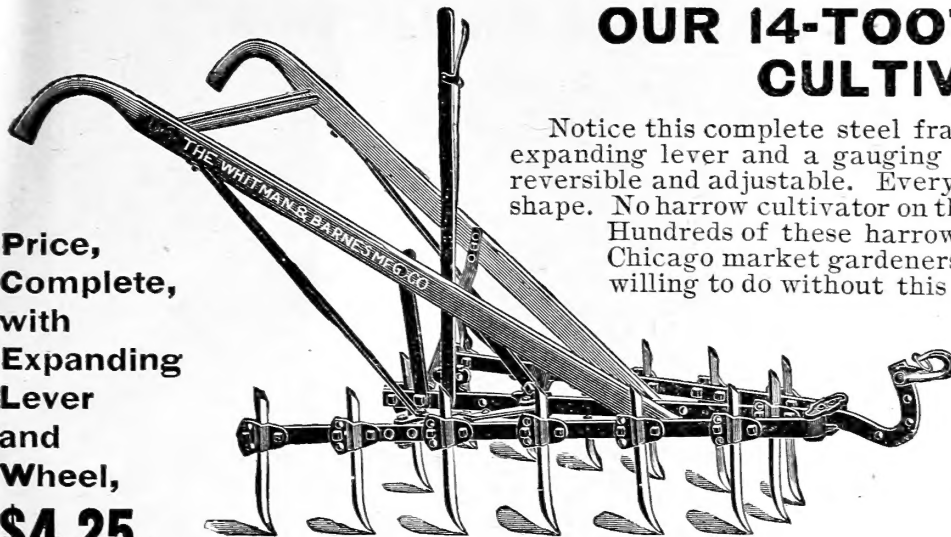
gaspipe lever harrow. The gaspipe tooth bars are held in place by passing through a channel steel connecting bar at each end of the section. These connecting bars act as runners upon which the harrow can be drawn to and from the field, when the teeth are turned backward. Three or four sections can be used by getting eveners suited to their use. A four-bar sixty-four tooth cuts eleven feet. Price, \$10.50.





## OUR 14-TOOTH HARROW CULTIVATOR.

Price,  
Complete,  
with  
Expanding  
Lever  
and  
Wheel,  
**\$4.25.**



OUR 14-TOOTH HARROW CULTIVATOR.

Notice this complete steel frame cultivator harrow. It has an expanding lever and a gauging wheel. The fourteen teeth are reversible and adjustable. Every part is put together in first-class shape. No harrow cultivator on the market to-day is put up better. Hundreds of these harrow cultivators are in use among the Chicago market gardeners, and not a one of them would be willing to do without this tool, if the cost was double what it is. It is the best tool on earth to do away with the weeds when they are small; it roots up every small weed and pulverizes the ground at the same time. It fills a want that no other machine can. We put our price right down to within a shade of actual cost. You cannot beat our price, and you ought to have the tool.

## CULTIVATOR TEETH, EXTRAS, ETC.

### CULTIVATOR TEETH.

No. 1.	Oval, with bolts.....each	15c.
No. 2.	3 inches wide, with bolts.....	15c.
No. 3.	2½ inches wide, with bolts.....	15c.
No. 4.	2 inches wide, with bolts.....	15c.
No. 5.	1½ inches wide, with bolts.....	15c.
No. 6.	1¼ inches wide, with bolts.....	15c.
Harrow Teeth.....		5c.

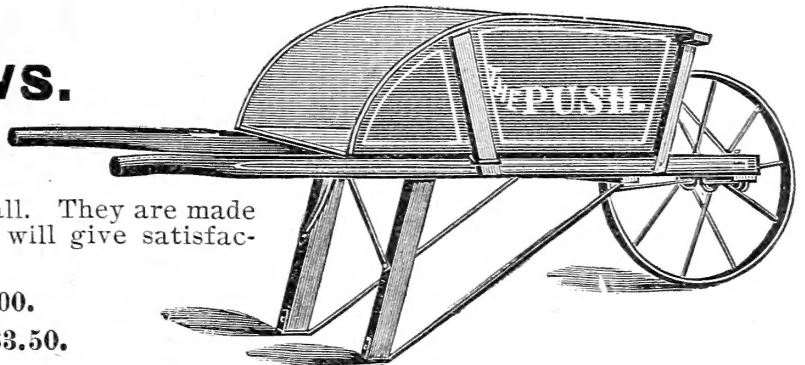
### HILLING BLADES, LEVER WHEELS, ETC.

Lever Wheels, with steel standards.....each	\$1.00
Rear Wheel, for regulating depth.....	.60
Best Horse Hoe Attachments..... per set	1.25
Common Horse Hoe Attachments.....each	1.00
Plain Wheels for cultivators and harrows.....	.50
Outside Handle Braces.....per pair	.25

## STANDARD WHEELBARROWS.

No farmer or gardener can afford to do without a wheelbarrow. The prices we name on the standard make, shown here, are so moderate that it is within reach of all. They are made in two sizes; are of the best material and will give satisfaction to all.

- Size 1. As shown in cut. Price, \$3.00.  
Size 2. Larger than No. 1. Price, \$3.50.



## FOUNTAIN COMPRESSED AIR SPRAYER.

By the use of this machine you can relieve yourself of much anxious care. It is not a complicated machine. Its construction is simple. It won't get out of order. It is self-operating by the use of compressed air.

It is made of No. 20 galvanized iron, it is thoroughly riveted and will stand a pressure of fifty pounds, and is guaranteed from end to end. Our cut shows the spray as used in spraying potatoes. It can be used for spraying shrubbery, trees, vines or any high growing plant by simply adding a length of rubber hose. It is a wonder and will prove of great value to farmers, gardeners or fruit growers.

It beats them all. Price, \$3.50.

### UTICA COMPRESSED AIR SPRAYER.

This sprayer we sold to our gardener customers last season with the most satisfactory results. It is smaller than the Fountain Sprayer, and is recommended to those who do not grow on a large scale. Price, \$1.50.

### OTHER STANDARD CHEAPER SPRAYERS.

Single Tube Sprayer, 75c.  
Double Tube Sprayer, \$1.10.

The above sprayers do good work, but are inferior to the higher priced, and require the use of more time to do the work.

### PARIS GREEN BLOWERS.

FOUNTAIN SPRAYER AS  
USED ON POTATOES.

They are used for putting the preparation on in the dry state. There are several different makes. We will send circulars and prices upon application.



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Moonflowers.....	76	76
Morning Glories, Tall.....	75	75
"    Dwarf.....	70	70
Myosotis. See Forget-me-not.....	71	71
	N	
Nasturtiums, Dwarf.....	77	77
"    Tall.....	77	77
Nicotiana.....	76	76
Nolana.....	76	76
	O	
Ornamental Gourds.....	72	72
	P	
Palms.....	80	80
Pansies.....	78-79	78-79
Passion Flower.....	80	80
Perennial Pea.....	74	74
Perilla.....	81	81
Petunias.....	79	79
Phlox.....	81	81
Pinks.....	80	80
Poppies.....	79	79
Portulaca.....	81	81
Primroses.....	81	81
Primula.....	81	81
Pyrethrum.....	80	80
	R	
Rhodanthe.....	84	84
Ricinus.....	84	84
Rocket.....	84	84
Rose.....	84	84
	S	
Salpiglossis.....	84	84
Salvia.....	84	84
Scabiosa.....	84	84
Scarlet Runners.....	84	84
Sensitive Plant. See Mimosa.....	76	76
Smilax.....	84	84
Stocks.....	85	85
Sunflowers.....	85	85
Sweet Pees.....	82-83	82-83
"    "    Cupid Varieties.....	83	83
Sweet William.....	85	85
	T	
Tropaeolum. See Nasturtium.....	77	77
	V	
Verbenas.....	85	85
Vinca.....	85	85
Violet.....	85	85
	W	
Wallflower.....	85	85
Whitlavia.....	85	85
Wild Flower Garden.....	79	79
	Z	
Zinnias.....	85	85
Hardy Shrubs and Plants.....	88-89	88-89
Hardy Climbers.....	90	90
Small Fruits.....	93	93
Roses.....	86-87	86-87
Summer-flowering Bulbs.....	91-92	91-92

# USEFUL BOOKS, SENT POST-PAID ON RECEIPT OF PRICE.

	PRICE.		PRICE.
Gardening for Profit.....	\$2.00	The A B C of Potato Culture .....	\$0.40
Gardening for Pleasure.....	2.00	Practical Floriculture... ..	1.50
Money in the Garden.....	1.50	Barry's Fruit Garden.....	2.00
Injurious Insects of the Farm and Garden ...	2.00	Fuller's Grape Culturist .....	1.50
Asparagus Culture.....	.50	Handbook of Plants.....	4.00
Cauliflowers and How to Grow Them.....	.20	Strawberry Culturist.....	.25
American Farm Book.....	2.50	Window Flower Garden.....	.75
Our Lawn of Four Acres.....	.30	Lawn Planting.....	.25
Sweet Potato Culture.....	.60	An Egg Farm .....	.50
Insects and Insecticides.....	1.25	Profit in Poultry.....	1.00
The New Onion Culture.....	.50	Mushrooms, How to Grow Them.....	1.50
Onions, How to Raise Them Profitably.....	.20	Canning and Preserving... ..	.40

## TABLE SHOWING THE QUANTITY OF SEED USUALLY SOWN UPON AN ACRE. AND THE NUMBER OF POUNDS TO THE BUSHEL.

	LBS. PER BUS.	QTY. TO ACRE.		LBS. PER BUS.	QTY. TO ACRE.
Beans, Dwarf, in drills.....	60	1½ bu.	Melon, Musk, in hills .....		2 to 3 lbs.
“ Pole, in hills .....	60	10 to 12 qts.	“ Water, in hills.....		4 to 5 lbs.
Beets, Table, in drills.....		6 lbs.	Oats, broadcast.....	32	2 to 3 bu.
“ Mangel Wurzel.....		5 lbs.	Onion, in drills.....		6 to 8 lbs.
Broom Corn, in hills .....	46	8 to 10 qts.	“ for Sets, in drills.....		50 lbs.
Buckwheat ... ..	52	1 bu.	“ Sets, in drills.....		6 to 12 bu.
Cabbage, in beds to transplant.		¼ lb.	Parsnip, in drills.....		4 to 6 lbs.
Carrot, in drills.....		3 to 4 lbs.	Peas, Wrinkled, in drills.....	56	1½ to 2 bu.
Clover, Red.....	60	20 lbs.	Potatoes (cut tubers).....	60	8 bu.
“ White.....	60	12 to 15 lbs.	Pumpkins, in hills .....	28	3 lbs.
“ Alsike.....	60	10 lbs.	Radish, in drills.....		8 to 10 lbs.
“ Lucerne, or Alfalfa....	60	20 lbs.	Round Peas, in drills.....	60	1½ bu.
Corn, Sweet, in hills.....about	48	8 to 10 qts.	Rye, broadcast .....	56	1½ to 2 bu.
“ Field, “ .....	56	8 to 10 qts.	Salsify, in drills .....		8 to 10 lbs.
“ for Fodder.....	56	3 bu.	Spinach, in drills .....		15 lbs.
Cucumber, in hills.....		2	Squash (bush varieties) in hills		4 lbs.
Grass, Kentucky Blue.....	14	3 bu.	“ (running varieties) in hills		3 lbs.
“ Orchard.....	14	3 bu.	Sugar Cane.....	50	12 lbs.
“ English Rye.....	24	3 bu.	Tomato, to transplant.....		¼ lb.
“ Red Top ... ..	14	3 bu.	Turnip, broadcast .....	58	2 lbs.
“ Timothy .....	45	¼ bu.	“ in drills .....		1½ lbs.
“ Hungarian.....	48	1 bu.	Vetches, broadcast.....	60	2 to 3 bu.
“ Lawn, Evergreen.....	14	4 bu.	Wheat, broadcast .....	60	1½ to 2 bu.

## NUMBER OF PLANTS FOR AN ACRE OF GROUND.

DISTANCE APART.	NO. OF PLANTS.	DISTANCE APART.	NO. OF PLANTS.	DISTANCE APART.	NO. OF PLANTS.
3 inches by 3 inches....	696,960	3 feet by 3 feet.....	4,840	5 feet by 5 feet.....	1,742
4 “ “ 4 “ .....	392,040	3½ “ “ 3½ “ .....	3,555	5½ “ “ 5½ “ .....	1,417
5 “ “ 6 “ .....	174,240	4 “ “ 1 foot.....	10,890	6 “ “ 6 “ .....	1,210
9 “ “ 9 “ .....	77,440	4 “ “ 2 feet.....	5,445	6½ “ “ 6½ “ .....	1,031
1 foot by 1 foot.....	43,560	4 “ “ 3 “ .....	3,630	7 “ “ 7 “ .....	881
1½ feet by 1½ feet.....	19,360	4 “ “ 4 “ .....	2,722	8 “ “ 8 “ .....	680
2 “ “ 1 foot.....	21,780	4½ “ “ 4½ “ .....	2,151	9 “ “ 9 “ .....	537
2 “ “ 2 feet.....	10,890	5 “ “ 1 foot.....	8,712	10 “ “ 10 “ .....	435
2½ “ “ 2½ “ .....	6,960	5 “ “ 2 feet.....	4,356	11 “ “ 11 “ .....	360
3 “ “ 1 foot.....	14,520	5 “ “ 3 “ .....	2,904	12 “ “ 12 “ .....	302
3 “ “ 2 feet.....	7,260	5 “ “ 4 “ .....	2,178		

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